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## Immunoassays

The Native Antigen Company's immunoassays for Zika virus are the most specific and sensitive assays available on the market. We have assays to detect the serological response to infection and to measure levels of Zika NS1 protein during infection. Further immunoassays are in development, so please check with a member of our team if you have any enquiries.

Immunoassay	Format	Size
Zika Virus IgG/M/A ELISA	ELISA	96-Well
Zika Virus NS1 Capture ELISA	ELISA	96-Well

## Virus Receptors

The Native Antigen Company is developing a range of virus receptors for use in studying the interaction of viruses with their target cells. These reagents may be used in the development vitro assays for investigating potential methods to block virus-to-cell binding.

Receptor	Source	Purity	Presentation
MXRA8 Protein (Human)	Human Cell Recombinant	>90%	Liquid

## Antigens

The Native Antigen Company produces both native and recombinant antigens from a range of established and emerging viral, bacterial and protozoal diseases using our proprietary mammalian expression system. Our antigens are suitable for use in vaccine R&D, as components for serological based diagnostic assays and for fundamental research into infectious disease. Our team has a wealth of experience in providing bulk and customised formats to the life sciences industry and can run.

Antigen	Source	Purity	Presentation
Adenovirus Type 5 Hexon Protein	Native	95%	Liquid
Adenovirus Type 40 Hexon Protein	Native	95%	Liquid
Adenovirus Type 40 Antigen	Native	95%	Liquid
Astrovirus Type 1 Antigen	Native	Cell lysate	Liquid
Bordetella pertussis Filamentous Hemagglutinin (FHA)	Native	98%	Lyophilised
Bordetella pertussis Toxin (50% glycerol)	Native	98%	Liquid
Bordetella pertussis Toxin (liquid)	Native	98%	Liquid
Bordetella pertussis Toxin (lyophilised)	Native	98%	Lyophilised
<a href="#">Borrelia burgdorferi CRASP-1</a>	<a href="#">E. coli Recombinant</a>	<a href="#">&gt;90%</a>	<a href="#">Liquid</a>
<a href="#">Borrelia burgdorferi CRASP-2</a>	<a href="#">E. coli Recombinant</a>	<a href="#">&gt;90%</a>	<a href="#">Liquid</a>

Antigen	Source	Purity	Presentation
Borrelia burgdorferi DbpA	E. coli Recombinant	>90%	Liquid
Borrelia burgdorferi DbpB	E. coli Recombinant	>90%	Liquid
Borrelia burgdorferi Erpd/Arp37	E. coli Recombinant	>90%	Liquid
Borrelia burgdorferi ErpN/OspE	E. coli Recombinant	>90%	Liquid
Borrelia burgdorferi Flagellin	E. coli Recombinant	>90%	Liquid
Borrelia burgdorferi OspA	E. coli Recombinant	>90%	Liquid
Borrelia burgdorferi OspB	E. coli Recombinant	>90%	Liquid
Borrelia burgdorferi OspC	E. coli Recombinant	>90%	Liquid
Borrelia burgdorferi P35	E. coli Recombinant	>90%	Liquid
Borrelia burgdorferi P39	E. coli Recombinant	>90%	Liquid
Borrelia burgdorferi Surface Lipoprotein P27	E. coli Recombinant	>90%	Liquid
Borrelia burgdorferi VlsE	E. coli Recombinant	>90%	Liquid
CCHF Virus Gn Protein	Human Cell Recombinant	>90%	Liquid
CCHF Virus Nucleoprotein	Human Cell Recombinant	>95%	Liquid
Chikungunya Virus E1 Envelope Protein	Human Cell Recombinant	95%	Liquid
Chikungunya Virus E2 Envelope Protein	Human Cell Recombinant	95%	Liquid
Chikungunya Virus VLP	Human Cell Recombinant	>90%	Liquid
Chlamydia trachomatis Antigen	Native	Cell lysate	Liquid
Clostridium difficile Toxin A	Native	98%	Lyophilised
Clostridium difficile Toxin A (Ribotype 027)	Native	>95%	Lyophilised
Clostridium difficile Toxin A (Ribotype 078)	Native	>90%	Lyophilised
Clostridium difficile Toxin B	Native	98%	Lyophilised
Clostridium difficile Toxoid A	Native	98%	Lyophilised
Clostridium difficile Toxoid B	Native	98%	Lyophilised
CMV (High Purity) Antigen	Native	95%	Liquid
CMV Cell Lysate Antigen	Native	Cell lysate	Liquid
CMV gB (Towne)	Human Cell Recombinant	>85%	Lyophilised
CMV gB (Towne)	Human Cell Recombinant	>95%	Liquid
CMV gH Pentamer Complex	Human Cell Recombinant	>95%	Liquid
Dengue Virus NS1 4-Serotype Pack	Human Cell Recombinant	>95%	Liquid
Dengue Virus VLP 4-Serotype Pack	Human Cell Recombinant	>95%	Liquid
Dengue Virus Serotype 1 Envelope Protein	Human Cell Recombinant	>90%	Liquid
Dengue Virus Serotype 1 Envelope Protein	Insect Cell Recombinant	>95%	Liquid
Dengue Virus Serotype 1 NS1	Human Cell Recombinant	>95%	Liquid
Dengue Virus Serotype 1 VLP	Human Cell Recombinant	>95%	Liquid
Dengue Virus Serotype 2 Envelope Protein	Human Cell Recombinant	>95%	Liquid

Antigen	Source	Purity	Presentation
Dengue Virus Serotype 2 Envelope Protein	Insect Cell Recombinant	>95%	Liquid
Dengue Virus Serotype 2 NS1	Human Cell Recombinant	>95%	Liquid
Dengue Virus Serotype 2 VLP	Human Cell Recombinant	>95%	Liquid
Dengue Virus Serotype 3 Envelope Protein	Human Cell Recombinant	>95%	Liquid
Dengue Virus Serotype 3 Envelope Protein	Insect Cell Recombinant	>95%	Liquid
Dengue Virus Serotype 3 NS1	Human Cell Recombinant	>95%	Liquid
Dengue Virus Serotype 3 VLP	Human Cell Recombinant	>95%	Liquid
Dengue Virus Serotype 4 Envelope Protein	Human Cell Recombinant	>95%	Liquid
Dengue Virus Serotype 4 Envelope Protein	Insect Cell Recombinant	>95%	Liquid
Dengue Virus Serotype 4 NS1	Human Cell Recombinant	>95%	Liquid
Dengue Virus Serotype 4 VLP	Human Cell Recombinant	>95%	Liquid
Diphtheria Toxin	Native	>98%	Lyophilised
Ebola Virus GP (Zaire)	Human Cell Recombinant	>85%	Lyophilised
Ebola Virus GP1 (Bundibugyo)	Human Cell Recombinant	>95%	Lyophilised
Ebola Virus GP1 (Zaire)	Human Cell Recombinant	>95%	Lyophilised
Ebola Virus sGP (Bundibugyo)	Human Cell Recombinant	>95%	Lyophilised
Ebola VLP	Human Cell Recombinant	>80%	Liquid
EBV GP125 Protein	Human Cell Recombinant	>80%	Liquid
Flavivirus NS1 Protein Pack	Human Cell Recombinant	>95%	Liquid
Hepatitis E Protein (ORF)	Human Cell Recombinant	>95%	Liquid
HIV GP120 (16055)	Human Cell Recombinant	>95%	Liquid
HIV GP120 (CM244)	Human Cell Recombinant	>95%	Liquid
HIV GP120 (CN54)	Human Cell Recombinant	>95%	Liquid
HSV gG2 Protein	Native	≥80%	Liquid
HSV-1 Antigen (High Purity)	Native	80%	Liquid
HSV-1 Lysate Antigen	Native	Cell Lysate	Liquid
HSV-2 Antigen (High Purity)	Native	80%	Liquid
HSV-2 Lysate Antigen	Native	Cell Lysate	Liquid
Influenza A HA (H1N1)	Human Cell Recombinant	>95%	Liquid
Influenza A HA (H5N1)	Human Cell Recombinant	>95%	Lyophilised
Influenza A HA (H7N9)	Human Cell Recombinant	>95%	Lyophilised
Influenza A HA (H9N2)	Human Cell Recombinant	>95%	Lyophilised
Influenza A HA Fc (H7N9)	Human Cell Recombinant	>95%	Lyophilised
Influenza A HA1 (H7N9)	Human Cell Recombinant	>95%	Lyophilised
Influenza A HA1 (H9N2)	Human Cell Recombinant	>95%	Lyophilised
Influenza A NA (H5N1)	Human Cell Recombinant	>90%	Lyophilised

Antigen	Source	Purity	Presentation
Japanese Encephalitis Virus NS1	Human Cell Recombinant	>95%	Liquid
Lassa Fever Virus GP1	Human Cell Recombinant	>95%	Liquid
Lassa Fever Virus GP2	Human Cell Recombinant	>95%	Liquid
Mayaro Virus E2 Protein	Human Cell Recombinant	>95%	Liquid
Mayaro Virus VLP	Human Cell Recombinant	>90%	Liquid
Mycoplasma pneumonia Antigen	Native	95%	Liquid
Neisseria gonorrhoeae Antigen	Native	Cell Lysate	Liquid
Nipah Virus Glycoprotein F	Human Cell Recombinant	>90%	Liquid
Nipah Virus Glycoprotein G	Human Cell Recombinant	>90%	Liquid
Norovirus GII. 4 VP1 VLP	Human Cell Recombinant	>95%	Liquid
<b>O'nyong'nyong Virus VLP</b>	<b>Human Cell Recombinant</b>	<b>&gt;90%</b>	<b>Liquid</b>
Oropouche Virus Nucleoprotein	E. coli Recombinant	>95%	Liquid
Oropouche Virus Gc Protein	Human Cell Recombinant	>70%	Liquid
Oropouche Virus Gn Protein	Human Cell Recombinant	>90%	Liquid
Parvovirus VP2 Protein	Human Cell Recombinant	>95%	Liquid
Powassan Virus NS1	Human Cell Recombinant	>95%	Liquid
<b>Puumala Virus GP2</b>	<b>Human Cell Recombinant</b>	<b>&gt;90%</b>	<b>Liquid</b>
Rift Valley Fever Virus Nucleoprotein	Human Cell Recombinant	>95%	Liquid
<b>RSV gG Protein</b>	<b>Human Cell Recombinant</b>	<b>&gt;95%</b>	<b>Liquid</b>
RSV gG Protein	Human Cell Recombinant	>90%	Lyophilised
<b>Rubella Virus Spike Glycoprotein E1</b>	<b>Human Cell Recombinant</b>	<b>&gt;95%</b>	<b>Liquid</b>
<b>Rubella Virus Capsid Nucleoprotein</b>	<b>Human Cell Recombinant</b>	<b>&gt;95%</b>	<b>Liquid</b>
<b>Rubella Virus VLP</b>	<b>Human Cell Recombinant</b>	<b>&gt;95%</b>	<b>Liquid</b>
Tick-Borne Encephalitis Virus NS1	Human Cell Recombinant	>90%	Liquid
<b>Toscana Virus G2 Protein</b>	<b>Human Cell Recombinant</b>	<b>&gt;90%</b>	<b>Liquid</b>
Trichomonas vaginalis Antigen	Native	Whole Cell	Liquid
<b>Severe Fever with Thrombocytopenia Nucleoprotein</b>	<b>Human cell recombinant</b>	<b>&gt;95%</b>	<b>Liquid</b>
<b>Severe Fever with Thrombocytopenia Nucleoprotein</b>	<b>Human cell recombinant</b>	<b>&gt;95%</b>	<b>Liquid</b>
<b>Severe Fever with Thrombocytopenia Nucleoprotein</b>	<b>Human cell recombinant</b>	<b>&gt;95%</b>	<b>Liquid</b>
Usutu Virus NS1	Human Cell Recombinant	>95%	Liquid
Vaccinia B18R (WR)	Human Cell Recombinant	>95%	Lyophilised
Vibrio cholerae CTXB	Human Cell Recombinant	>90%	Lyophilised
West Nile Virus NS1	Human Cell Recombinant	>95%	Liquid
West Nile Virus Envelope Protein	Human Cell Recombinant	>95%	Liquid
<b>Yellow Fever Virus Envelope Protein</b>	<b>Human Cell Recombinant</b>	<b>&gt;90%</b>	<b>Liquid</b>
Yellow Fever Virus NS1	Human Cell Recombinant	>95%	Liquid

Antigen	Source	Purity	Presentation
Zika Virus Envelope Protein	Human Cell Recombinant	>95%	Liquid
Zika Virus Infected Vero Cell Lysate	Native	N/A	Liquid
Zika Virus Lysate	Native	N/A	Liquid
Zika Virus NS1 (Duo Pack)	Human Cell Recombinant	>85%	Liquid
Zika Virus NS1 (Suriname Strain)	Human Cell Recombinant	>85%	Liquid
Zika Virus NS1 (Uganda Strain)	Human Cell Recombinant	>85%	Liquid
Zika Virus VLP	Human Cell Recombinant	>95%	Liquid



## Antibodies

We are developing the world's most extensive range of antibodies for infectious disease targets. Our portfolio includes a unique panel of highly specific antibodies for flavivirus NS1 proteins, such as serotype-specific reagents for Dengue and human chimeric antibodies to Zika NS1.

Antibody	Source	Purity	Presentation
Adenovirus Hexon Protein	Mouse Monoclonal	>95%	Liquid
Astrovirus	Mouse Monoclonal	>95%	Liquid
Borrelia burgdorferi CRASP-1	Rabbit	>95%	Liquid
Borrelia burgdorferi CRASP-2	Rabbit	>95%	Liquid
Borrelia burgdorferi DbpA	Rabbit	>95%	Liquid
Borrelia burgdorferi DbpB	Rabbit	>95%	Liquid
Borrelia burgdorferi Erpd/Arp37	Rabbit	>95%	Liquid
Borrelia burgdorferi ErpN/OspE	Rabbit	>95%	Liquid
Borrelia burgdorferi Flagellin	Rabbit	>95%	Liquid
Borrelia burgdorferi garinii	Mouse Monoclonal	>95%	Liquid
Borrelia burgdorferi OspA	Rabbit	>95%	Liquid
Borrelia burgdorferi OspB	Rabbit	>95%	Liquid
Borrelia burgdorferi OspC	Rabbit	>95%	Liquid
Borrelia burgdorferi P35	Rabbit	>95%	Liquid
Borrelia burgdorferi P39	Rabbit	>95%	Liquid
Borrelia burgdorferi Surface Lipoprotein P27	Rabbit	>95%	Liquid
Borrelia burgdorferi VlsE	Rabbit	>95%	Liquid
Campylobacter jejuni	Mouse Monoclonal	>95%	Liquid
Chlamydia LPS	Hybridoma Cell	>95%	Liquid
Chlamydia MOMP	Hybridoma Cell	>95%	Liquid
Clostridium difficile GDH	Mouse Monoclonal	>95%	Liquid
Clostridium difficile Toxin A	Mouse Monoclonal	>95%	Liquid
Clostridium difficile Toxin B	Mouse Monoclonal	>95%	Liquid
Chikungunya Virus	Sheep IgG	>90%	Liquid
Chikungunya Virus Capsid Protein	Mouse Monoclonal	>95%	Liquid
Chikungunya Virus E2 Protein	Mouse Monoclonal	>95%	Liquid
Cholera Toxin Beta Subunit	Mouse Monoclonal	>95%	Liquid
CMV Glycoprotein B	Mouse Monoclonal	>95%	Liquid
CMV Glycoprotein H	Mouse Monoclonal	>90%	Liquid
CMV ICP36 Antigen	Mouse Monoclonal	>90%	Liquid
CMV Pentamer Protein	Sheep IgG	>90%	Liquid

Antibody	Source	Purity	Presentation
CMV Phosphoprotein 28	Mouse Monoclonal	>90%	Liquid
CMV Phosphoprotein 65	Mouse Monoclonal	>90%	Liquid
Dengue Virus Serotype 1	Mouse Monoclonal	>95%	Liquid
Dengue Virus Envelope Protein (Pan-Serotype)	Mouse Monoclonal	>95%	Liquid
Dengue Virus NS1 (Pan-Serotype)	Mouse Monoclonal	>95%	Liquid
Dengue Virus NS1 (Serotype 1)	Human Monoclonal	>95%	Liquid
Dengue Virus NS1 (Serotype 1)	Mouse Monoclonal	>95%	Liquid
Dengue Virus NS1 (Serotype 2)	Mouse Monoclonal	>95%	Liquid
Dengue Virus NS1 (Serotype 3)	Mouse Monoclonal	>95%	Liquid
Dengue Virus NS1 (Serotype 4)	Mouse Monoclonal	>95%	Liquid
Dengue Virus prM Protein (Serotypes 1-4)	Mouse Monoclonal	>95%	Liquid
Diphtheria Toxin A	Mouse Monoclonal	>90%	Liquid
Diphtheria Toxin	Mouse Monoclonal	>90%	Liquid
Ebola Virus	Sheep IgG	>90%	Liquid
Ebola Virus Nucleoprotein	Mouse Monoclonal	>90%	Liquid
Ebola Virus VP40	Mouse Monoclonal	>90%	Liquid
Escherichia coli O157	Mouse Monoclonal	>95%	Liquid
Flavivirus Envelope Protein	Human Monoclonal	>95%	Liquid
Flavivirus Envelope Protein	Mouse Monoclonal	>95%	Liquid
Giardia lamblia Trophozoite	Mouse Monoclonal	>95%	Liquid
Hantavirus Nucleocapsid Protein	Mouse Monoclonal	>90%	Liquid
Hepatitis A Virus	Mouse Monoclonal	>90%	Liquid
Hepatitis A Virus VP3	Mouse Monoclonal	>90%	Liquid
Hepatitis B Virus Core Protein	Mouse Monoclonal	>90%	Liquid
Hepatitis B Virus E Antigen	Mouse Monoclonal	>90%	Liquid
Hepatitis B Virus Pre-S Region	Mouse Monoclonal	>90%	Liquid
Hepatitis B Virus Surface Antigen	Mouse Monoclonal	>90%	Liquid
Hepatitis B Virus X Protein	Mouse Monoclonal	>90%	Liquid
Hepatitis C Virus Core Protein	Mouse Monoclonal	>90%	Liquid
Hepatitis C Virus Core Protein (33-38aa)	Mouse Monoclonal	>90%	Liquid
Hepatitis C Virus Core Protein (29-39aa)	Mouse Monoclonal	>90%	Liquid
Hepatitis C Virus E1	Mouse Monoclonal	>90%	Liquid
Hepatitis C Virus E2	Mouse Monoclonal	>90%	Liquid
Hepatitis C Virus NS3	Mouse Monoclonal	>90%	Liquid
Hepatitis C Virus NS3 Helicase	Mouse Monoclonal	>90%	Liquid
Hepatitis C Virus NS3 (1252-1477aa)	Mouse Monoclonal	>90%	Liquid

Antibody	Source	Purity	Presentation
Hepatitis C Virus NS4A (1700-1710aa)	Mouse Monoclonal	>90%	Liquid
Hepatitis C Virus NS4B (1689-1735aa)	Mouse Monoclonal	>90%	Liquid
Hepatitis C Virus NS4B (1710-1730aa)	Mouse Monoclonal	>90%	Liquid
Hepatitis C Virus NS4A/B (1658-1863aa)	Mouse Monoclonal	>90%	Liquid
Hepatitis C Virus NS5A	Mouse Monoclonal	>90%	Liquid
Hepatitis C Virus NS5B	Mouse Monoclonal	>90%	Liquid
Herpes Simplex Virus Glycoprotein D	Hybridoma Cell	>95%	Liquid
Herpes Simplex Virus Glycoprotein D	Hybridoma Cell	>95%	Liquid
HSV Glycoprotein D	Mouse Monoclonal	>95%	Liquid
HSV Type 2	Mouse Monoclonal	>95%	Liquid
Human Papilloma Virus Type 11	Mouse Monoclonal	>95%	Liquid
Human Papilloma Virus Type 16	Mouse Monoclonal	>95%	Liquid
Human Papilloma Virus Type 18	Mouse Monoclonal	>95%	Liquid
Influenza A	Mouse Monoclonal	>95%	Liquid
Influenza B	Mouse Monoclonal	>95%	Liquid
IgG (Human)	Purified IgG	>95%	Liquid
IgG (Human)	Purified IgG:FITC	>95%	Liquid
IgG (Human)	Purified IgG:Alk Phos	>95%	Liquid
IgG (Human)	Purified IgG:HRP	>95%	Liquid
IgG (Mouse)	Purified IgG	>95%	Liquid
IgG (Mouse)	Purified IgG:FITC	>95%	Liquid
IgG (Mouse)	Purified IgG:Alk Phos	>95%	Liquid
IgG (Mouse)	Purified IgG:HRP	>95%	Liquid
IgG (Rabbit)	Purified IgG	>95%	Liquid
IgG Mouse-Adsorbed (Human)	Purified IgG	>95%	Liquid
IgG Mouse-Adsorbed (Human)	Purified IgG:Alk Phos	>95%	Liquid
IgG Mouse-Adsorbed (Human)	Purified IgG:HRP	>95%	Liquid
IgG Fc (Mouse)	Purified IgG	>95%	Liquid
IgG Fc (Mouse)	Purified IgG:FITC	>95%	Liquid
IgG Fc (Mouse)	Purified IgG:Alk Phos	>95%	Liquid
IgG Fc (Mouse)	Purified IgG:HRP	>95%	Liquid
IgG Fc (Human)	Purified IgG	>95%	Liquid
IgG Fc (Human)	Purified IgG:FITC	>95%	Liquid
IgG Fc (Human)	Purified IgG:Alk Phos	>95%	Liquid
IgG Fc (Human)	Purified IgG:HRP	>95%	Liquid
IgG (H+L) (Sheep)	Purified IgG	>95%	Liquid



Antibody	Source	Purity	Presentation
IgG (H+L) (Sheep)	Purified IgG:FITC	>95%	Liquid
IgG (H+L) (Sheep)	Purified IgG:Alk Phos	>95%	Liquid
IgG (H+L) (Sheep)	Purified IgG:HRP	>95%	Liquid
IgG1 Isotype Control (Mouse)	Mouse Monoclonal	>95%	Liquid
IgG2a Isotype Control (Mouse)	Mouse Monoclonal	>95%	Liquid
IgG2b Isotype Control (Mouse)	Mouse Monoclonal	>95%	Liquid
IgM (Human)	Purified IgG	>95%	Liquid
IgM (Human)	Purified IgG:HRP	>95%	Liquid
IgM (Human)	Purified IgG	>95%	Liquid
IgM (Human)	Purified IgG:HRP	>95%	Liquid
Japanese Encephalitis Virus NS1	Mouse Monoclonal	>95%	Liquid
Legionella pneumophila	Mouse Monoclonal	>95%	Liquid
Listeria monocytogenes	Mouse Monoclonal	>95%	Liquid
Mycoplasma pneumoniae	Hybridoma Cell	>95%	Liquid
Norovirus GII	Mouse Monoclonal	>95%	Liquid
Norovirus GI	Mouse Monoclonal	>95%	Liquid
Respiratory Syncytial Virus	Mouse Monoclonal	>95%	Liquid
Rotavirus	Mouse Monoclonal	>95%	Liquid
Rubella Virus Glycoprotein E1	Mouse Monoclonal	>90%	Liquid
Rubella Virus Glycoprotein E2	Mouse Monoclonal	>90%	Liquid
SARS Coronavirus Nucleoprotein	Mouse Monoclonal	>90%	Liquid
Salmonella typhi	Mouse Monoclonal	>95%	Liquid
Salmonella paratyphi	Mouse Monoclonal	>95%	Liquid
Staphylococcus aureus Enterotoxin A	Mouse Monoclonal	>95%	Liquid
Staphylococcus aureus Enterotoxin B	Mouse Monoclonal	>95%	Liquid
Staphylococcus aureus Enterotoxin G	Mouse Monoclonal	>95%	Liquid
Staphylococcus aureus Enterotoxin I	Mouse Monoclonal	>95%	Liquid
Streptococcus pneumoniae	Mouse Monoclonal	>95%	Liquid
Streptavidin:FITC	N/A	>95%	Liquid
Streptavidin:Alkaline Phosphatase	N/A	>95%	Liquid
Streptavidin:HRP	N/A	>95%	Liquid
Tetanus Toxin	Mouse Monoclonal	>95%	Liquid
West Nile Virus NS1	Mouse Monoclonal	>95%	Liquid
Yellow Fever Virus NS1	Mouse Monoclonal	>95%	Liquid
Zika Virus NS1	Mouse Monoclonal	>95%	Liquid

## Blocking Buffers

The Native Antigen Company now provides a range of blocking buffers to increase the resolution of your western blots and immunoassays.

Buffer	Description
HiGlo	Blocking buffer specifically designed for Western blotting using fluorochrome-conjugated antibodies.
PanBlock	High strength blocking buffer to address issues with high background noise in antigen-down and sandwich immunoassays.

## Contract and Custom Services

Our team has decades of experience in the field of native antigen and recombinant protein contract research, process development and production. NAC can undertake custom projects to manufacture proteins and antigens, prepare antibodies and develop immunoassays to suit your R&D needs. Our development laboratories are fully staffed by a team of PhD molecular biologists and development scientists who are able to execute projects as short as a few days, through to long-term programmes of a year or more. Our core expertise is in:

### Protein Expression

We have developed a proprietary mammalian cell protein production system, based on suspension-adapted HEK 293 cells. With a batch capacity of up to 80L, we are able to perform custom expression projects to produce recombinant proteins with human folding and glycosylation. This system is ideal for complex folded and glycosylated proteins, viral proteins and cancer antigens.

### Protein Purification

Our purification suite includes state-of-the-art equipment, and access to a range of chromatographic techniques, including affinity chromatography, size-exclusion chromatography, ion-exchange chromatography and hydrophobic interaction chromatography.

### ELISA Development

We can support you through the development of your ELISA assay from any stage. If you already have an antigen and antibodies available we will be pleased to use these to identify the best matched pairs, and to determine their performance in ELISA.

### Lateral Flow Assay Development

Lateral Flow assay development at The Native Antigen Company is undertaken by a specialist team, with experience in working on some of the highest volume lateral flow assays in the world. Developing a lateral flow assay is a complex process, and is not necessarily a simple process of transferring an assay from an existing ELISA. An understanding of antibody selection, along with knowledge of how the assays components can affect your results are all key factors.

### Antibody Generation

To complement our protein expression and immunoassay services, we also offer antibody generation packages. We can prepare monoclonal or polyclonal antibodies for your projects, using the same systems used for our own catalogue reagents. Should you need to conjugate your antibodies, chimerise them or even undertake sub-class switching, we can help.

