

## Antibody Datasheet

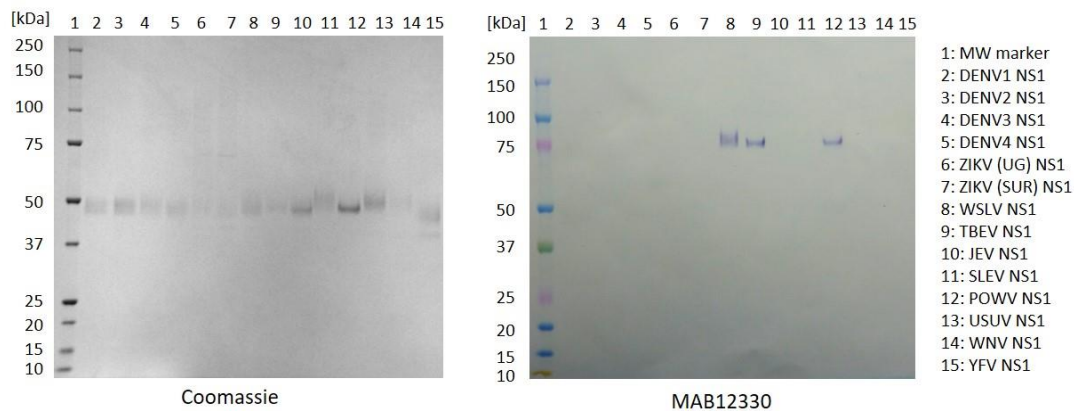
<b>Product Name:</b>	Mouse Anti Powassan Virus NS1 Antibody (M956)
<b>Clone Number:</b>	M956
<b>Isotype:</b>	Mouse IgG1
<b>Product Code:</b>	MAB12330-100 MAB12330-500
<b>Batch Number:</b>	
<b>Amount:</b>	0.1mg
<b>Concentration:</b>	1 mg/ml
<b>Buffer:</b>	Phosphate Buffered Saline pH7.2
<b>Preservative:</b>	0.05% Sodium Azide (NaN <sub>3</sub> )
<b>Purity:</b>	Purified by Ion Exchange. >90% purity by SDS-PAGE.
<b>Antigen:</b>	Recombinant Powassan Virus NS1 antigen, Strain LB, aa776-1128.
<b>Specificity:</b>	This antibody recognises Powassan Virus NS1 in western blot and ELISA. It also cross-reacts with TBEV, WSLV and YFV NS1. See data below.
<b>Matched Pairs:</b>	Suggested antibodies for capture are MAB12329, MAB12330 and MAB12331 paired with MAB12328, MAB12329, MAB12330 or MAB12331 for detection.
<b>Applications:</b>	ELISA, WB. Suitable for use in immunoassay development or other applications. For Research Use Only. Not intended for diagnostic use.
<b>Secondary Reagents:</b>	Goat anti mouse IgG:HRP ( <a href="#">PAB21441HRP</a> ) PanBlock ELISA Blocking Buffer ( <a href="#">BUF81201</a> )



**Storage:** Store at +4°C for up to three months, or at -20°C for longer. Avoid repeated freeze/thaw cycles. Antibody is shipped at ambient temperature.

## Western Blot

100ng of each NS1 antigen was used for SDS-PAGE, in reduced form. Proteins were transferred using Transblot for 7 minutes at 25V. 5% dry milk in PBS-T was used as blocking buffer and dilution buffer for antibodies. Primary antibodies are given below, and goat anti-mouse-IgG-HRP secondary antibody (Biorad 103005) was used at 1:1000. All steps were carried out for 1h at room temperature with gentle rocking. KPL Membrane TMB was used for detection. Development time 30 seconds.



## ELISA

All antigens coated at 0.5µg/ml in DPBS overnight at 2-8°C. Plate washed 1 X 300µl/well TBS + 0.1% Tween20, blocked 300µl/well DPBS+1% BSA for an hour. Antibody diluted to 1.0µg/ml and 0.01µg/ml in DPBS + 1% BSA + 0.05% T20. Added at 100µl/well, incubated shaken 2h room temperature. Plate washed 3 X 300µl/well TBS-T wash buffer. Biorad goat anti-mouse IgG-HRP (103005) diluted 1 in 2500 in DPBS/1%BSA/0.05%T20, added at 100µl/well, incubated shaken 1h room temperature. Plate washed 6X 300µl/well TBS-T wash buffer. Europa TMB substrate added at 100µl/well and the plate developed for 2 min. static on the bench. Reaction stopped with 100µl/well 1M HCL and the plate was read within 4 min. at 405nm.

