

Antibody Datasheet

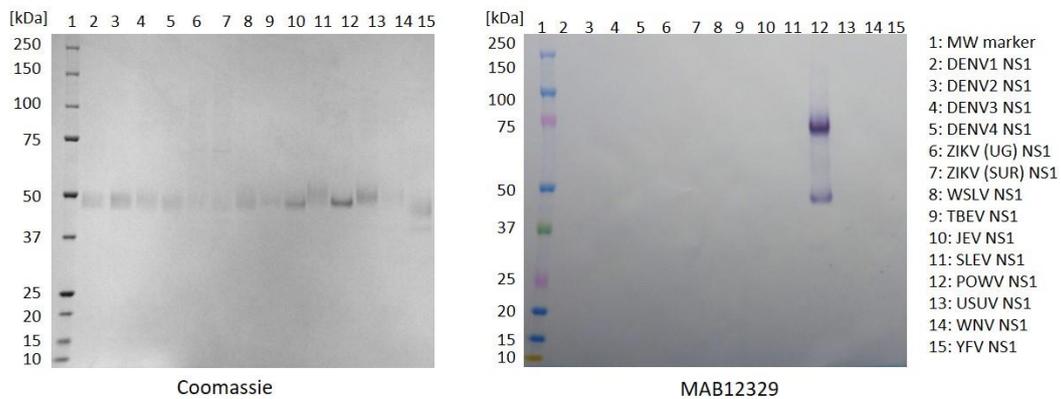
Product Name:	Mouse Anti Powassan Virus NS1 Antibody (M955)
Clone Number:	M955
Isotype:	Mouse IgG2a
Product Code:	MAB12329-100 MAB12329-500
Batch Number:	
Amount:	0.1mg
Concentration:	1 mg/ml
Buffer:	Phosphate Buffered Saline pH7.2
Preservative:	0.05% Sodium Azide (NaN ₃)
Purity:	Purified by Ion Exchange. >90% purity by SDS-PAGE.
Antigen:	Recombinant Powassan Virus NS1 antigen, Strain LB, aa776-1128.
Specificity:	This antibody is specific for Powassan Virus NS1 in western blot and ELISA.
Matched Pairs:	Suggested antibodies for capture are MAB12329, MAB12330 and MAB12331 paired with MAB12328, MAB12329, MAB12330 or MAB12331 for detection.
Applications:	ELISA, WB. Suitable for use in immunoassay development or other applications. For Research Use Only. Not intended for diagnostic use.
Secondary Reagents:	Goat anti mouse IgG:HRP (PAB21441HRP) PanBlock ELISA Blocking Buffer (BUF81201)



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.

