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Antibody Datasheet

Product Name: Mouse Anti Powassan Virus NS1 Antibody (M954)

Clone Number: M954

Isotype: Mouse IgG2a

Product Code: MAB12328-100
MAB12328-500

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.

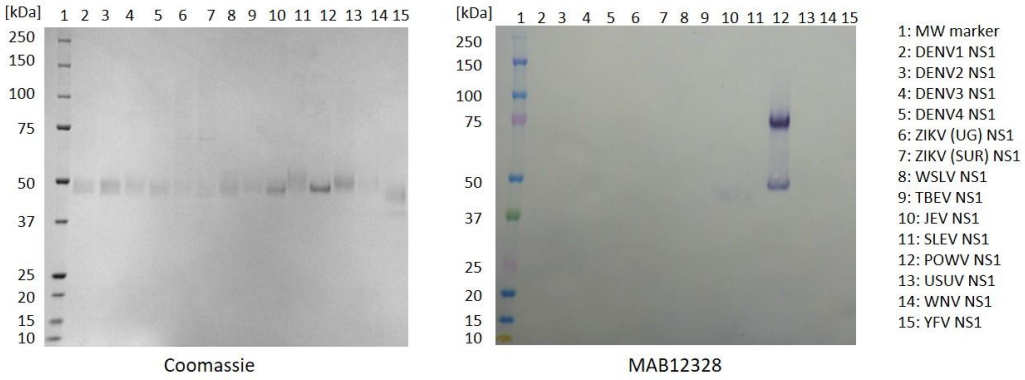
Applications: ELISA, WB. Suitable for use in immunoassay development or other applications. For Research Use Only. Not intended for diagnostic use.

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 0.01µgml 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.