

Rabbit anti-SUDV NP pAb

Catalog #: 0302-012

Description:

Affinity purified rabbit polyclonal antibody reactive to SUDV NP. The antibody detects NP in virus-like particles (VLP) in Western blot and ELISA.

Immunogen/ Target:

Peptide sequence specific to Sudan Ebola virus (SUDV) Nucleocapsid Protein (NP).

Formulation & Storage: Supplied in PBS 0.02% Sodium azide. **Store at** +4°C for 2-3 weeks, -20°C for long term.

Notes & Usage Guidelines:

Clonality/Isotype: Polyclonal; N/A

Host: Rabbit

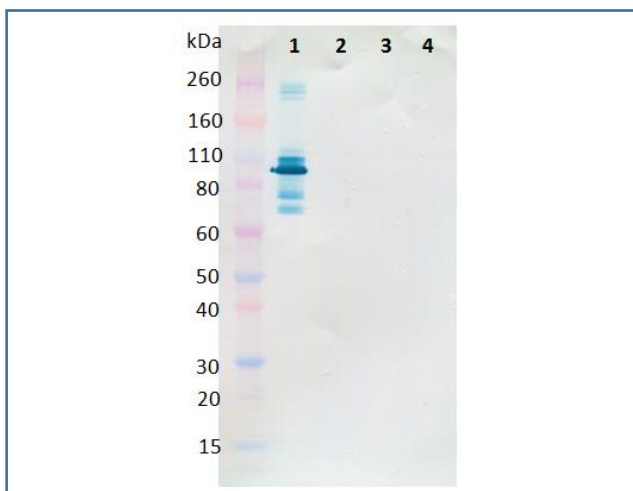
ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

Applications

Western Blot Data:

Western blot was detected under reduced conditions with anti-SUDV NP pAb at 100 ng/mL and visualized using an anti-rabbit IgG-HRP conjugate and TMB membrane substrate. NP is visualized in baculovirus-expressed SUDV VLP (lane 1) but not in the EBOV or MARV VLPs (lanes 2, 3); nor in the SUDV VLP without NP expression (lane 4).



ELISA Data:

VLPs were solubilized in a final concentration of 1% Triton X-100 and diluted to 10 µg/mL in PBS (0.01% Triton) for plate coating. Anti-SUDV NP antibody was serially diluted semi-log from 20 µg/mL and incubated on the coated plates. Washed plates were detected with anti-rabbit IgG-HRP conjugate and TMB substrate. OD650 is reported below.

Antibody (µg/mL)	OD 650 nm			
	EBOV VLP @ 10 µg/mL	SUDV VLP @ 10 µg/mL	MMARV VLP @ 10 µg/mL	SUDV VLP without NP @ 10 µg/mL
20.0000	0.1440	3.6050	0.1610	0.2400
6.3246	0.1030	3.8840	0.1020	0.1350
2.0000	0.0830	3.9050	0.0950	0.0840
0.6325	0.0740	3.9820	0.0710	0.0740
0.2000	0.0750	3.6930	0.0720	0.0700
0.0632	0.0720	2.8370	0.0640	0.0720
0.0200	0.0790	1.4920	0.0690	0.0840
0.0063	0.0750	0.6340	0.0820	0.0930
0.0020	0.0820	0.2780	0.1460	0.1420
0.0006	0.1050	0.1520	0.0810	0.0870
0.0002	0.0840	0.0820	0.0830	0.0730
0.0000	0.0730	0.0990	0.0850	0.0810

Certificate of analysis:

A hardcopy of datasheet is sent along with the products. Please refer to it for detailed information. For older lots, refer to the applicable certificate of analysis that may be requested at products@ibtbioservices.com.

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