

Rabbit anti-EBOV NP pAb

Catalog #: 0301-012

Description:

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

Immunogen/ Target:

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

Formulation & Storage: Supplied in PBS in frozen format with no preservatives added. **Store at +4°C** for 2-3 weeks; **-80°C** for long-term

Notes & Usage Guidelines:

Clonality/Isotype: Polyclonal; N/A

Host: Rabbit

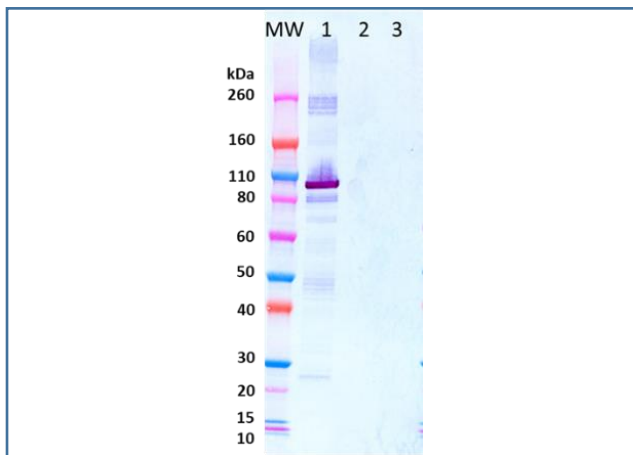
ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

Applications

Western Blot Data:

Western blot was detected under reduced conditions with anti-EBOV 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 EBOV VLP (lane 1) but not in the SUDV or MARV VLPs (lanes 2, 3).



ELISA Data:

VLPs were diluted to 10 µg/mL in PBS for plate coating. Anti-EBOV 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)	Coating Antigen		
	10 µg VLP/mL or 1 µg VLP/well		
	EBOV	SUDV	MARV
20.0000	3.537	0.280	0.188
6.3245	3.420	0.140	0.105
2.0000	3.194	0.107	0.072
0.6324	2.482	0.078	0.069
0.2000	1.584	0.079	0.075
0.0632	0.752	0.080	0.088
0.0200	0.349	0.077	0.070
0.0063	0.161	0.071	0.072
0.0020	0.103	0.075	0.061
0.0006	0.090	0.074	0.072
0.0002	0.076	0.086	0.070
0.0000	0.075	0.073	0.063

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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