

Rabbit anti-SUDV VP40 pAb

Catalog #: 0302-001

Description:

Affinity purified rabbit polyclonal antibody reactive to SUDV VP40. The antibody detects VP40 in virus-like particles (VLP) and recombinant SUDV VP40 (SEBOV rVP40).

Immunogen/ Target:

Peptide sequence specific to Sudan Ebola virus (SUDV) VP40 matrix protein.

Formulation & Storage: Supplied in PBS and 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

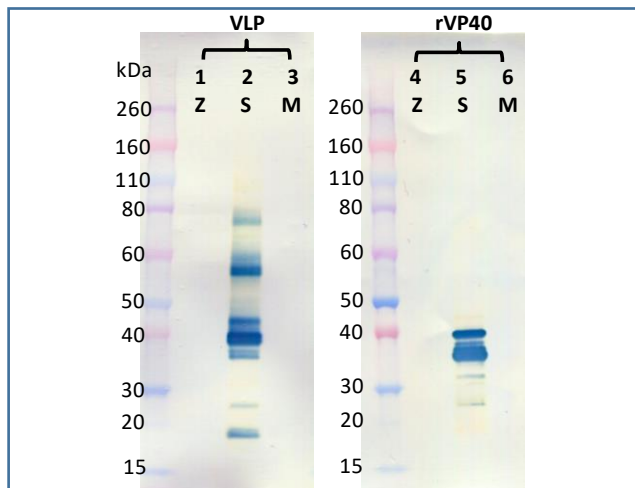
ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

Applications

Western Blot Data:

Western blots were detected under reduced conditions with anti-SUDV VP40 pAb at 100 ng/mL and visualized using an anti-rabbit IgG-HRP conjugate and TMB membrane substrate. VP40 is visualized in baculovirus-expressed SUDV VLP (Lane 2) but not in the EBOV or MMARV VLPs (Lanes 1, 3). SUDV rVP40 is also visualized (Lane 5). No cross-reactivity with EBOV or MMARV rVP40 is observed (Lanes 4, 6).



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 VP40 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
20.0000	0.4250	3.5150	0.2470
6.3246	0.1660	3.6790	0.1060
2.0000	0.0980	3.7810	0.0800
0.6325	0.0730	3.6620	0.0740
0.2000	0.0650	3.7080	0.0670
0.0632	0.0590	3.3920	0.0640
0.0200	0.0660	2.2800	0.0780
0.0063	0.0680	1.0760	0.0620
0.0020	0.0670	0.4210	0.0800
0.0006	0.0730	0.2010	0.1000
0.0002	0.0680	0.1090	0.0900
0.0000	0.0810	0.0720	0.0630

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.

Related Products:

IBT provides a wide array of antibodies, recombinant proteins, and other infectious disease reagents. Please see our website, www.ibtbioservices.com for more details.

Intended for research use only, not for human, therapeutic, or diagnostic applications.
The buyer cannot sell or otherwise transfer this product for Commercial Purposes without written approval of Integrated BioTherapeutics, LLC.

Copyright 2023. Integrated BioTherapeutics, LLC. All rights reserved.