

Rabbit anti-SUDV GP pAb

Catalog #: 0302-020

Description:

Protein A purified rabbit polyclonal antibody reactive to SUDV GP. The antibody detects recombinant SUDV GP (modified) and GP expressed in virus-like particles (VLP) in Western blot and ELISA.

Immunogen/ Target:

Purified recombinant Sudan Ebola virus (SUDV) Glycoprotein (GP), modified.

Formulation & Storage: Supplied in PBS and 0.01% 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

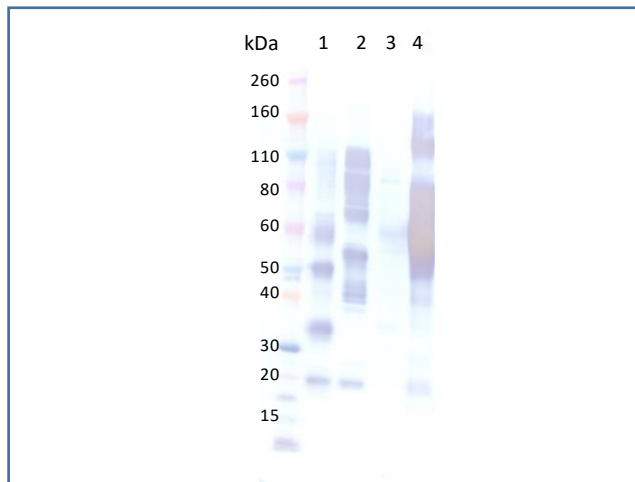
ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

Applications

Western Blot Data:

Western blots were detected with anti-SUDV GP (modified) at 1-5 µg/mL and visualized using an anti-rabbit HRP conjugate and chromogenic substrate. Denatured and reduced GP is visualized as multiple bands representing differing glycosylation patterns and GP subunits as observed above: 4 ug SUDV VLP (Lane 1), 4 ug EBOV VLP (Lane 2), 4 ug MARV VLP (Lane 3) and 0.2 ug rSUDV GP (modified)-HA tag expressed in mammalian cells (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 GP polyclonal antibody was serially diluted 3-fold from 20 µg/mL and incubated on the VLP coated plates. Washed plates were detected with anti-rabbit HRP conjugate and TMB substrate. OD650 is reported below.

Amt Ab (ug/mL)	Avg OD650		
	SUDV VLP	EBOV VLP	MARV VLP
20.000	1.89005	0.20340	0.11505
6.667	0.73500	0.11565	0.08420
2.222	0.27025	0.08545	0.07470
0.741	0.13745	0.07655	0.07785
0.247	0.10315	0.08055	0.08055
0.082	0.09500	0.08320	0.07840
0.027	0.11000	0.09225	0.09280
0.009	0.10845	0.09315	0.10940

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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