

Rabbit anti-Bundibugyo GP pAb

Catalog #: 0304-001

Description:

Affinity purified rabbit polyclonal antibody reactive to BEBOV GP. The antibody detects recombinant BEBOV GP without the transmembrane region (BEBOV rGPdTM) in Western blot and ELISA.

Immunogen/ Target:

Peptide sequence to Bundibugyo Ebola virus (BEBOV) glycoprotein (GP).

Formulation & Storage: Supplied in PBS. 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 blots were detected with anti-BEBOV GP at 50 ng/mL (left panel) and 500 ng/mL (right panel) and visualized using an anti-rabbit AP conjugate and chromogenic substrate. BEBOV GP is visualized as a broad band representing differing glycosylation patterns. Cross reactivity is not detected in the ZEBOV, SEBOV or MARV recombinant GP proteins (lanes 3, 4, 5, 8, 9, 10).

Lane 1: 15 µL Novex MW markers

Lane 2: 0.2 µg BEBOV rGPdTM

Lane 3: 0.2 µg ZEBOV rGPdTM

Lane 4: 0.2 µg SEBOV rGPdTM

Lane 5: 0.2 µg MARV rGPdTM

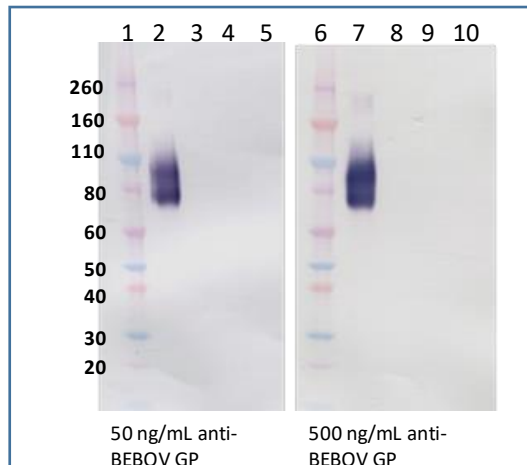
Lane 6: 15 µL Novex MW markers

Lane 7: 0.2 µg BEBOV rGPdTM

Lane 8: 0.2 µg ZEBOV rGPdTM

Lane 9: 0.2 µg SEBOV rGPdTM

Lane 10: 0.2 µg MARV rGPdTM



ELISA Data:

Recombinant proteins were diluted to 1 µg/mL in PBS for plate coating. Anti-BEBOV GP antibody was serially diluted 3-fold starting at 20 µg/mL and incubated on the coated plates. Washed plates were detected with anti-rabbit HRP conjugate and TMB substrate. OD650 is reported below.

Anti-BEBOV GP pAb (µg/mL)	OD 650nm			
	BEBOV GP @ 1 µg/mL	ZEBOV GP @ 1 µg/mL	SEBOV GP @ 1 µg/mL	MARV GP @ 1 µg/mL
20.0	3.661	0.093	0.107	0.249
6.67	3.643	0.108	0.071	0.134
2.22	3.864	0.048	0.055	0.117
0.741	3.894	0.059	0.070	0.071
0.247	3.530	0.094	0.066	0.063
0.082	2.402	0.063	0.066	0.058
0.027	1.183	0.055	0.060	0.074
0.0	0.055	0.056	0.067	0.073

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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