

Biotinylated Rabbit anti-EBOV GP pAb

Catalog #: 0301-015-bio

Lot #: 1803003

Immunogen: Peptide sequence to Ebola virus (EBOV) glycoprotein (GP).

Description: Affinity purified rabbit polyclonal antibody reactive to EBOV GP. The antibody detects GP in virus-like particles (VLP) and recombinant EBOV GP without the transmembrane region (rGPΔTM) in Western blot and ELISA. Purified rabbit polyclonal antibody reactive to EBOV GP was conjugated with biotin and purified from unconjugated biotin by diafiltration.

Conjugation with Biotin: Antibody was conjugated with biotin at a molar ratio of 20:1 (Biotin: antibody)

Supplied: 100 µg of biotinylated antibody is supplied in PBS at a concentration of **0.777 mg/mL**.

Raised in: Rabbits

Purification: Antibody is affinity purified using immobilized immunogen.

Clonality: Polyclonal

Relevance: The antibody can be used for detection of EBOV GP.

Storage: 2-3 weeks +4°C, -20°C long term

Recommended Dilutions:

ELISA, WB, Cross Reactivity: For the specific antibody reactivity of the unconjugated antibody refer to Rabbit anti-EBOV GP, Catalog #: 0301-015.

ELISA results for biotinylated antibody:

Biotinylated Rabbit anti-EBOV GP pAb (µg/mL)	rGPΔTM at 1 µg/mL or 100 ng/well		
	EBOV	SUDV	MARV-Angola
10.0000	3.572	0.075	0.088
3.1626	3.702	0.096	0.074
1.0002	3.508	0.098	0.073
0.3163	3.149	0.064	0.077
0.1000	2.149	0.054	0.074
0.0316	1.067	0.073	0.076
0.0100	0.425	0.077	0.087
0.0032	0.189	0.075	0.093
0.0010	0.100	0.086	0.071
0.0003	0.071	0.056	0.064
0.0001	0.061	0.046	0.061

rGPΔTM proteins were diluted to 1 µg/mL in PBS for plate coating. Biotinylated Rabbit anti-EBOV GP antibody was serially diluted semi-log from 10 µg/mL and incubated on the coated plates. Washed plates were detected with Streptavidin-HRP at a 1:4000 dilution and TMB substrate. OD₆₅₀ is reported above.

Related Products:

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