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Biotinylated Rabbit anti-MARV GP

Catalog #: 0303-007-bio

Lot #: 1803002

Immunogen: Peptide sequence to Marburg virus (MARV) glycoprotein (GP). Sequence is specific to the GP2 subunit.

Description: Affinity purified rabbit polyclonal antibody reactive to MARV GP. The antibody detects GP in virus-like particles (VLP) and recombinant MARV GP without the transmembrane region (rGPΔTM) in Western blot and ELISA. Purified rabbit polyclonal antibody reactive to MARV 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 **0.739 mg/mL**.

Raised in: Rabbits

Purification: Antibody is affinity purified using immobilized immunogen.

Clonality: Polyclonal

Relevance: The antibody can be used for detection of MARV 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-MARV GP, Catalog #: 0303-007.

ELISA results for biotinylated antibody:

Biotinylated Rabbit anti-MARV GP pAb (µg/mL)	rGPΔTM @ 1 µg/mL			
	MARV-Angola	MARV-Musoke	EBOV	SUDV
10.0000	2.656	3.157	0.075	0.073
3.1626	2.219	3.325	0.072	0.065
1.0002	1.840	2.881	0.072	0.061
0.3163	1.155	1.706	0.074	0.062
0.1000	0.584	0.817	0.068	0.065
0.0316	0.258	0.344	0.076	0.069
0.0100	0.141	0.160	0.071	0.085
0.0032	0.125	0.105	0.072	0.076
0.0010	0.096	0.081	0.077	0.065
0.0003	0.093	0.087	0.074	0.067
0.0001	0.091	0.073	0.083	0.069

rGPΔTM proteins were diluted to 1 µg/mL in PBS for plate coating. Biotinylated Rabbit anti-MARV 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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