

Rabbit anti-EBOV GPΔmuc Polyclonal Antibody

Catalog #: 0301-038

Lot #: 1904002

Immunogen: Purified recombinant Ebola virus (EBOV) Glycoprotein (GP), modified.

Description: Purified rabbit polyclonal antibody reactive to EBOV GP. The antibody detects recombinant EBOV GP (modified) in Western blot and ELISA.

Supplied: 500 µg of antibody is supplied in DPBS at a concentration of 1.877 mg/mL.

Raised in: Rabbits

Clonality: Polyclonal

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

Recommended Dilutions:

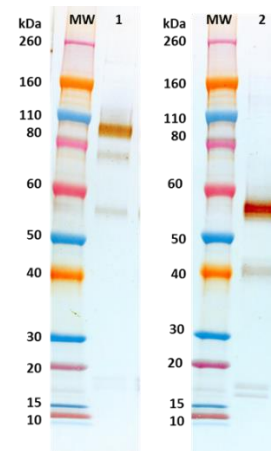
ELISA: Assay-dependent dilution.

WB: Assay-dependent dilution; internal QC demonstrates strong detection of 50 ng of purified recombinant EBOV GP (modified) with a use dilution from 2 µg per mL of antibody in diluent using an HRP antibody conjugate and chromogenic substrate for visualization.

Storage: 2-3 weeks +4°C, -80°C long term

Related Products: IBT provides a wide array of anti-filovirus specific antibodies and other infectious disease reagents. Please see our website, www.ibtbioservices.com for more details.

Western Blot Data:



Western blots were detected with anti-EBOV GPΔmuc at 2 µg/mL and visualized using an anti-rabbit HRP conjugate and chromogenic substrate. Heat-denatured and reduced GP is visualized as multiple bands representing differing glycosylation patterns and GP subunits as observed above: EBOV Makona rGPΔTM (lane 1) and EBOV Mayinga rGPΔmuc (lane 2)

ELISA Data:

Amt Ab (µg/mL)	Coating Antigen	
	EBOV Makona rGPΔTM	EBOV Mayinga rGPΔmuc
10.000	3.731	3.912
3.162	3.141	3.153
1.000	2.105	2.142
0.316	0.976	1.030
0.100	0.395	0.416
0.032	0.172	0.181
0.010	0.092	0.108
0.003	0.072	0.078
0.001	0.076	0.056
0.000	0.079	0.071
	OD 650 nm	

rGPΔTM and rGPΔmuc proteins were diluted to 1 µg/mL for plate coating. Anti-EBOV GPΔmuc polyclonal antibody was serially diluted semi-log from 10 µg/mL and incubated on the coated plates. Washed plates were detected with anti-rabbit IgG-HRP conjugate and TMB substrate. OD₆₅₀ is reported above.

Intended for research use only, not for human, therapeutic, or diagnostic applications.

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