

Mouse anti-EBOV GPΔTM mAb (4F3)

Catalog #: 0201-020

Description:

Protein G purified mouse monoclonal antibody reactive to EBOV glycoprotein (GP). The antibody detects glycoprotein in virus-like particles (VLP) and EBOV glycoprotein without the transmembrane region (rGPΔTM).

Immunogen/ Target:

Purified recombinant Ebola Virus (EBOV) glycoprotein lacking the transmembrane region.

Formulation & Storage: Supplied in PBS in frozen format with no preservatives added. **Store at +4°C** for 2-3 weeks; **-80°C** for long-term

Notes & Usage Guidelines:

Clonality/Isotype: Monoclonal; IgG2

Host: Mouse

ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

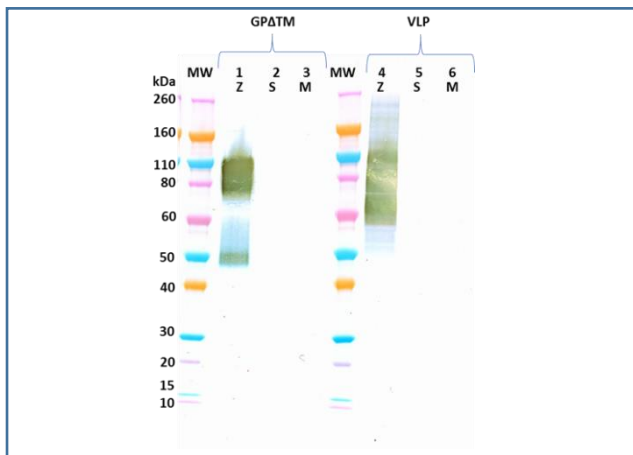
Applications

Western Blot Data:

Western blots were detected under reduced conditions with anti-EBOV GP 4F3 at 0.5 µg/mL and visualized using an anti-mouse IgG-HRP conjugate and TMB Membrane substrate. GP is visualized in EBOV rGPΔTM (lane 1) and in Baculovirus-expressed EBOV VLP (lane 4). No cross-reactivity with SUDV or MARV GP was observed.

ELISA Data:

rGPΔTM proteins and VLPs were diluted to 1 µg/mL and 10 µg/mL, respectively, in PBS for plate coating. Anti-EBOV GP antibody 4F3 was serially diluted semi-log from 10 µg/mL and incubated on the coated plates. Washed plates were detected with anti-mouse IgG-HRP conjugate and TMB substrate. OD₆₅₀ is reported below.



4F3 mouse mAb (µg/mL)	EBOV rGPΔTM (1 µg/mL)	SUDV rGPΔTM (1 µg/mL)	MARV rGPΔTM (1 µg/mL)	EBOV VLP (10 µg/mL)	SUDV VLP (10 µg/mL)	MARV VLP (10 µg/mL)
10.0000	3.790	0.137	0.100	3.652	0.181	0.045
3.1623	3.958	0.095	0.085	3.692	0.111	0.058
1.0000	3.976	0.087	0.071	3.649	0.086	0.083
0.3162	3.817	0.083	0.088	3.604	0.085	0.079
0.1000	3.694	0.081	0.077	3.324	0.082	0.092
0.0316	3.294	0.076	0.085	2.622	0.085	0.089
0.0100	2.160	0.107	0.097	1.456	0.090	0.086
0.0032	1.047	0.091	0.090	0.667	0.087	0.099
0.0010	0.442	0.087	0.125	0.303	0.094	0.094
0.0003	0.237	0.123	0.108	0.177	0.117	0.109
0.0001	0.141	0.103	0.091	0.119	0.092	0.091

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.

Related Products:

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