

Mouse anti-EBOV GP monoclonal antibody (13C6)

Catalog #: 0201-024

Description:

Protein A purified mouse monoclonal antibody reactive to EBOV GP.

Immunogen/ Target:

Venezuelan equine encephalitis virus replicons encoding Ebola Virus (EBOV) glycoprotein (GP) were used to generate the original mouse monoclonal antibody.

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; IgG2a

Host: Mouse

ELISA: Assay-dependent dilution

WB: Not recommended

Applications

Western Blot Data:

Not recommended because this antibody recognizes a conformational epitope.

ELISA Data:

Virus-like particles and recombinant GP proteins without the transmembrane domain (rGPΔTM) were diluted in PBS to 10 µg/mL and 1 µg/mL, respectively. m13C6 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.

Antibody (µg/mL)	Coating Antigen: VLP @ 10 µg/mL		
	EBOV	SUDV	MARV
10.0000	3.528	1.809	0.053
3.1623	3.529	1.406	0.049
1.0000	3.310	1.022	0.057
0.3162	3.291	0.632	0.062
0.1000	2.852	0.303	0.057
0.0316	1.949	0.146	0.077
0.0100	0.936	0.079	0.059
0.0032	0.378	0.070	0.063
0.0010	0.185	0.058	0.073
0.0003	0.108	0.062	0.096
0.0001	0.072	0.084	0.060

Antibody (µg/mL)	Coating Antigen: rGPΔTM @ 1 µg/mL		
	EBOV	SUDV	MARV
10.0000	3.581	2.690	0.055
3.1623	3.500	2.272	0.037
1.0000	3.374	1.585	0.068
0.3162	3.243	0.852	0.070
0.1000	2.814	0.371	0.066
0.0316	2.144	0.166	0.037
0.0100	1.221	0.089	0.086
0.0032	0.541	0.062	0.069
0.0010	0.234	0.058	0.093
0.0003	0.165	0.055	0.070
0.0001	0.093	0.058	0.070

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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