

anti-MARV GP chimeric monoclonal antibody (human IgG1)

Catalog #: 0203-026

Description:

Protein A purified human monoclonal antibody reactive to MARV-Musoke GP, MARV-Angola GP and RAVV GP. The antibody is specific to the GP2 subunit.

Immunogen/ Target:

Recombinant purified Ravn Virus (RAVV) glycoprotein and recombinant Vesicular Stomatitis Virus pseudotyped expressing Marburg Virus (MARV)-Musoke glycoprotein (GP)

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; IgG1

Host: Human

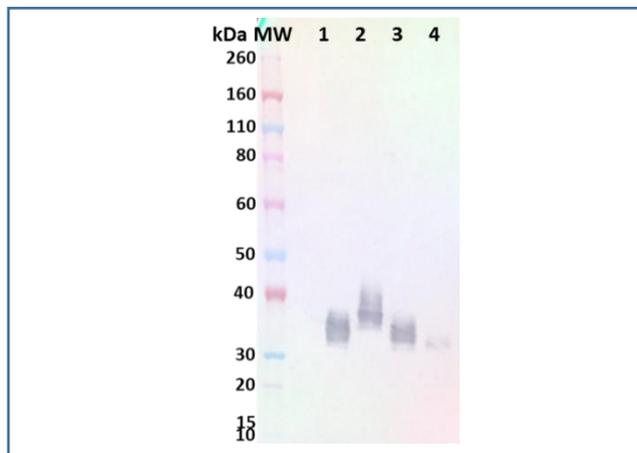
ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

Applications

Western Blot Data:

Heat-denatured and reduced antigens were loaded at 200 ng/lane. Western Blot was detected using 1.0 µg/mL anti-MARV mAb and visualized using an anti-human IgG-HRP conjugate, followed by TMB Membrane substrate. GP2 subunit is detected for MARV-Angola GP (lane 1), RAVV GP (lane 2) and MARV-Musoke GP (lane 3) with slight cross-reactivity against MARV-Ci67 GP (lane 4).



ELISA Data:

MARV and RAVV glycoproteins were diluted to 2 µg/mL in DPBS for plate coating. Anti-MARV antibody was serially diluted semi-log from 50 µg/mL and incubated on the coated plates. Washed plates were detected with anti-human IgG-HRP conjugate and TMB Microwell substrate. OD650 is reported below.

mAb µg/mL	MARV-Angola GP	RAVV GP	MARV-Musoke GP
50.000	3.048	3.186	3.017
15.823	2.942	3.098	2.905
5.007	2.743	3.047	2.681
1.585	2.264	2.891	2.296
0.501	1.369	2.573	1.442
0.159	0.060	1.808	0.658
0.050	0.249	0.813	0.268
0.016	0.124	0.288	0.124
0.005	0.079	0.122	0.088
0.002	0.064	0.082	0.059
0.000	0.064	0.095	0.069
0.000	0.072	0.085	0.650

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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