

Mouse anti-EBOV VP40 mAb (AE11)

Catalog #: 0201-018

Description:

Purified mouse monoclonal antibody reactive to Ebola virus (EBOV) matrix protein (VP40). The antibody detects EBOV VP40 in virus-like particles (VLP) and EBOV recombinant VP40 (rVP40).

Immunogen/ Target:

Purified recombinant Ebola virus VP40 (EBOV rVP40) produced in *E. coli*.

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 for Western Blot because the antibody recognizes conformational epitope.

ELISA Data:

VLPs and rVP40 proteins were diluted to 10 µg/mL and 3 µg/mL, respectively, in PBS for plate coating. Anti-EBOV VP40 antibody (AE11) 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 above. The anti-EBOV VP40 antibody (AE11) strongly reacted to EBOV VLP (cat # 0550-001) and rVP40 protein (cat# 0564-001). The antibody cross-reacted with SUDV VP40 in VLP and rVP40 protein (IBT internal lots).

Anti-EBOV VP40 mAb AE11 (µg/mL)	EBOV VLP @ 10 µg/mL	SUDV VLP @ 10 µg/mL	MARV VLP @ 10 µg/mL
10.0000	3.409	3.648	0.151
3.1623	3.425	3.617	0.075
1.0000	3.303	3.543	0.077
0.3162	3.086	3.564	0.080
0.1000	2.524	3.259	0.062
0.0316	1.560	2.659	0.063
0.0100	0.766	1.550	0.068
0.0032	0.341	0.752	0.067
0.0010	0.150	0.349	0.068
0.0003	0.091	0.169	0.069
0.0001	0.075	0.101	0.060
0.0000	0.059	0.071	0.062

Anti-EBOV VP40 mAb AE11 (µg/mL)	EBOV rVP40 @ 3 µg/mL	SUDV rVP40 @ 3 µg/mL	MARV rVP40 @ 3 µg/mL
10.0000	3.708	3.551	0.081
3.1623	3.666	3.610	0.071
1.0000	3.562	3.490	0.067
0.3162	3.514	3.369	0.070
0.1000	3.198	2.947	0.063
0.0316	2.418	2.124	0.066
0.0100	1.394	1.163	0.065
0.0032	0.640	0.498	0.063
0.0010	0.261	0.260	0.067
0.0003	0.133	0.119	0.072
0.0001	0.080	0.169	0.068
0.0000	0.068	0.105	0.083

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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