

Rabbit anti-EBOV VP40

Catalog #: 0301-010

Lot #: 1503007

Description:

Affinity purified rabbit polyclonal antibody reactive to EBOV VP40. The antibody detects VP40 in virus-like particles (VLP) and recombinant VP40 (rVP40) in Western Blot and ELISA.

Immunogen/ Target:

Peptide sequence specific to Ebola Virus (EBOV) VP40 matrix protein.

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: Polyclonal; N/A

Host: Rabbit

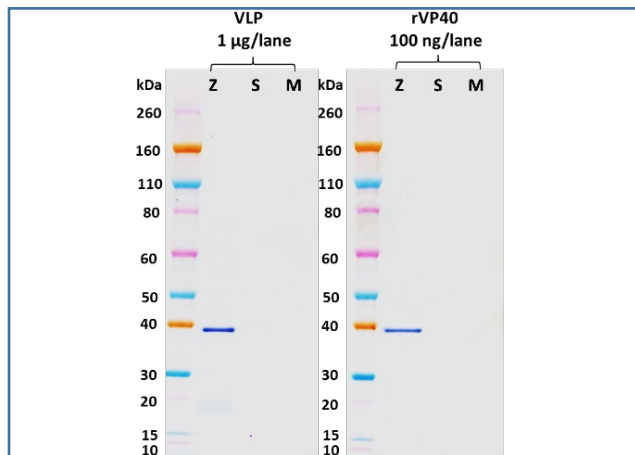
ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

Applications

Western Blot Data:

Anti-EBOV VP40 antibody at 10 ng/mL was able to detect EBOV VP40 in EBOV VLPs and at least 100 ng of EBOV rVP40 by Western Blot Analysis. Western Blots were developed using an anti-rabbit IgG-HRP conjugate and TMB Membrane substrate. No cross-reactivity with MARV VP40 was observed.



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 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 below. The anti-EBOV VP40 antibody strongly reacted to EBOV VP40 in VLP and rVP40. Cross-reactivity was observed against SUDV VP40 in VLP and rVP40. Signals were observed against MARV VLP at the highest concentrations of antibody tested.

Anti-EBOV VP40 Antibody (µg/mL)	EBOV VLP @ 10 µg/mL	SUDV VLP @ 10 µg/mL	MARV VLP @ 10 µg/mL	EBOV rVP40 @ 3 µg/mL	SUDV rVP40 @ 3 µg/mL	MARV rVP40 @ 3 µg/mL
10.0000	3.999	3.408	0.851	3.703	3.541	0.092
3.1623	3.973	2.554	0.351	4.000	3.061	0.077
1.0000	3.912	1.317	0.147	4.000	2.022	0.068
0.3162	3.598	0.527	0.077	3.771	0.987	0.060
0.1000	3.136	0.207	0.062	3.380	0.377	0.060
0.0316	2.055	0.103	0.061	2.545	0.165	0.059
0.0100	1.006	0.068	0.052	1.412	0.090	0.077
0.0032	0.404	0.059	0.053	0.592	0.069	0.061
0.0010	0.179	0.059	0.053	0.252	0.069	0.064
0.0003	0.096	0.060	0.055	0.123	0.064	0.064
0.0001	0.071	0.059	0.058	0.089	0.070	0.069
0.0000	0.063	0.062	0.062	0.068	0.084	0.075
OD 650 nm						

Certificate of Testing for:

Lot#: **1503007**

Volume: 100 µg

Concentration: 0.789 mg/mL

Related Products:

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