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Marburgvirus (MARV) Antibody

Catalog #: 04-0005

Immunogen: MARV (Musoke strain) Virus-like Particles (VLPs) containing glycoprotein (GP0, nucleoprotein (NP), and viral protein (VP)40

Description: Rabbit polyclonal for MARV

Raised in: New Zealand White Rabbits

Purification: Protein A

Clonality: Polyclonal

Buffer: PBS + 0.01% Azide

Size: 0.5mg

Relevance:

The *filovirus* Marburgvirus is a Category A (NIAID) and HHS Select Agent.

Recommended Dilutions:

ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

IF: No Data

Storage: 2-3 weeks +4°C; -20°C long term

Species Reactivity: Does not react with Venezuelan Equine Encephalitis TC-83, Chikungunya 181/25, Vaccinia NYCBOH, Junin Candid #1, Rift Valley Fever MP12. Some cross-reactivity with Ebola Zaire.

ELISA

IgG Dilution 1:X	IgG + MMARV Antigen	IgG + ZEBOV Antigen
1000	3.30	2.66
3162	3.07	1.80
10000	2.68	0.89
31623	1.87	0.37
100000	0.99	0.14
316228	0.43	0.05
1000000	0.17	0.02

- Antigen is coated on ELISA plates overnight.
- Add 200µl blocking buffer then wash wells with PBST.
- Antiserum is diluted semi-log.
- Incubate antibody for 2 hour.
- Wash unbound antibodies and add HRP-conjugated anti-rabbit IgG.
- Wash plates and add substrate to develop color for 20 minutes.
- Read absorbance at 650nm. Amount of color is directly proportional to amount of antibodies.

Western Blot

- Antiserum recognizes Marburg musoke glycoprotein, nucleoprotein, and VP40

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