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Marburgvirus (MARV) Antibody

Catalog #: 01-0005

Lot #: MM2000909IBT

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

Description: Rabbit polyclonal for MARV

Raised in: Rabbits

Clonality: Polyclonal

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, or Ebolavirus Zaire.

Dilution of MMARV sera	ZEBOV Coating Antigen	MMARV Coating Antigen
100	0.36	1.53
316	0.08	0.75
1000	0.07	0.29
3162	0.09	0.07
10000	0.00	0.01

ELISA

- Antigen is coated on ELISA plates overnight.
- Add 200µl blocking buffer then wash wells with PBST.
- Antiserum is diluted in series as 10²~10⁴ folds.
- 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.
- Antibody titer is defined as >0.1 of absorbance of antiserum minus background.
- Titer ~ 1/2652.

Western

- Antibody diluted 1:2500 against GP, VP40; Also detects NP (Data not shown)

Intended for research use only, not for human, therapeutic, or diagnostic applications.