4 Research Court * Suite 300
Rockville, MD 20850
1-877-411-2041
Services@ibtbioservices.com

Anti-MARV GP Macaque-derived chimeric monoclonal antibody (human IgG1)

Catalog #: **0203-028**
Lot #: **2303008**

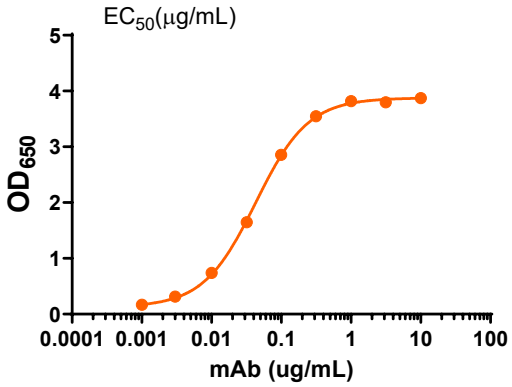
Immunogen: Filovirus recombinant glycoproteins and virus-like particles

Description: Protein A purified, chimeric monoclonal antibody reactive to glycoproteins of Marburg virus Angola (AMARV) and Musoke (MMARV) strains.

Size: **100 µg** in citrate-containing buffer (pH 5.5), at a concentration of **3.726 mg/mL**.

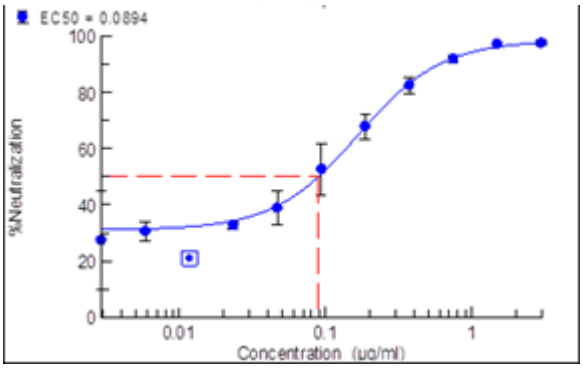
Storage: -80°C long term. Recommended to dispense into single-use aliquots to avoid repeated freeze/thaw cycles.

ELISA data



Ni-NTA plate was coated with recombinant AMARV glycoprotein at 400 ng/well. Washed plates were incubated with antibody starting at 10 µg/mL, followed by semi-log dilutions. Detection was achieved using anti-human IgG (H+L)-HRP conjugate and TMB substrate. OD650 is reported above.

Neutralization data



Antibody starting at 3 µg/mL, followed by semi-log dilutions was incubated with vesicular stomatitis viruses (VSV) pseudotyped with AMARV glycoprotein and expressing luciferase, for one hour prior to infectivity on Vero cell monolayers. Infectivity was determined 24 hours post infection by quantification of luciferase signal. Percent neutralization was calculated based on the controls.

[1 - (RLU of treated well – RLU of Cells only)/ (RLU of Virus only – RLU of Cells only)] * 100