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Rabbit Anti-Chikungunya 181/25 Polyclonal Antibody

Protein G Purified IgG

Catalog #: 04-0008

Lot#: 1109012

Immunogen: Sucrose purified virus from infected supernatant; CHIKV 181/25

Description: Rabbit polyclonal for CHIKV strain 181/25 purified from antiserum using a Protein G column

Supplied: 0.5 mg is supplied in PBS at a concentration of 5 mg/mL. No preservative has been added.

Storage: It is recommended that aliquots be made and stored at -20°C long term; if storing at 4°C is desired longer term, it is recommended that a preservative be added.

Raised in: New Zealand White Rabbits

Purification: Antiserum was purified using a Protein G column

Clonality: Polyclonal

Relevance: The 181/25 vaccine strain represents a surrogate strain for the Category C (NIAID) virus Chikungunya.

Recommended Dilutions:

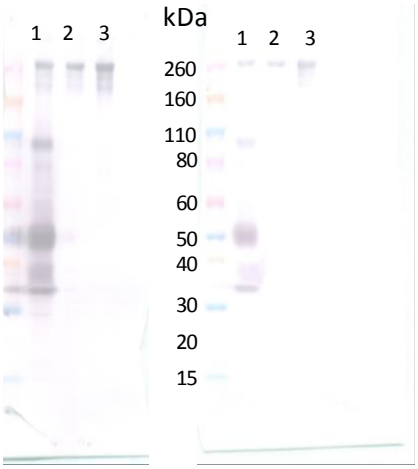
ELISA: Assay-dependent dilution

WB: Assay-dependent dilution; QC testing demonstrates strong signal with the antibody between 1.0-0.1 µg/mL. If probing against purified infected cell supernatant, cross-adsorption is recommended.

IF: Antiserum prior to IgG purification was utilized at a 1:500 dilution with Cy3 goat anti-rabbit secondary. The purified antibody has not been tested but can be optimized accordingly.

Species Reactivity: Some cross-reactivity is observed with CHIKV OPY-1, CHIKV S27, fetal bovine serum, Vero cells, and Venezuelan Equine Encephalitis strain TC-83. The antibody does not react with Vaccinia NYCBOH, Junin Candid #1, or Rift Valley Fever MP12.

Western Blot Data:



Anti-Chikungunya Pro G Pur IgG 1 µg/mL

Anti-Chikungunya Pro G Pur IgG 0.1 µg/mL

Western blot data of sucrose cushion purified infected cell-supernatant of Chikungunya virus 181/25 (1), Rift Valley Fever Virus MP12 (2), and Junin Candid #1 (3) detected with anti-Chikungunya polyclonal antibody at 1 or 0.1 µg/mL and anti-rabbit IgG (H&L) HRP. The primary antibody was pre-incubated with 2% fetal bovine serum (FBS) for 2 hours to adsorb any antibody generated to FBS in the virus infected cell supernatant used as the immunogen. Specific signal to Chikungunya is observed in lane 1. A single band ~260 kDa in all three viral strains is not considered specific and is most likely the result of a protein from the cell supernatant.