

Rabbit Anti-Chikungunya 181/25 Polyclonal Antibody Protein G Purified IgG

Catalog #: 04-0008

Lot#: 1705003

Immunogen: Sucrose-purified virus from supernatant of Vero cells infected with CHIKV 181/25 strain

Description: Rabbit polyclonal antibody against CHIKV strain 181/25. Antibody was purified from antiserum using a Protein G column.

Supplied: 0.5 mg is supplied in PBS at a concentration of 3.706 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

Clonality: Polyclonal

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

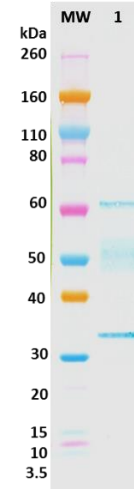
Recommended Dilutions: Assay-dependent dilutions

Species Reactivity: Previous lot of the antiserum showed some cross-reactivity with CHIKV OPY-1, CHIKV S27, fetal bovine serum, Vero cells, and Venezuelan Equine Encephalitis strain TC-83.

Related Products: IBT provides a wide array of anti-filovirus specific antibodies and other infectious disease reagents. Please see our website:

<http://www.ibtbioservices.com/reagents/>

Western Blot Data:



Western blot data of 500 ng of sucrose-purified CHIKV 181/25 virus lysate, detected using 100 ng/mL of anti-CHIKV polyclonal antibody, followed by anti-rabbit IgG (H&L)-HRP and TMB Membrane Substrate. Specific signal against Chikungunya proteins, is observed in lane 1. MW denotes Novex® Sharp prestained protein markers.

ELISA Data:

Rabbit anti-CHIKV pAb (µg/mL)	OD 650 nm
10.0000	3.255
3.1623	3.511
1.0000	3.455
0.3162	3.380
0.1000	2.813
0.0316	1.544
0.0100	0.714
0.0032	0.285
0.0010	0.128
0.0003	0.074
0.0001	0.056
0.0000	0.049

CHIKV 181/25 virus lysate was diluted to 300 ng/well in PBS for plate coating. Anti-CHIKV polyclonal antibody was tested at 10 µg/mL, followed by semi-log dilutions and incubated on the coated plates. Washed plate was detected with anti-rabbit IgG-HRP conjugate and TMB substrate. OD650 is reported above.

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

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