

Anti-Monkeypox Virus [VACV-5C7] Bulk Size Ab02217-15.0-BT

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgM, Kappa

Clone Number: VACV-5C7

Alternative Name(s) of Target: MPXV; MPXV Cph; Monkeypox virus Copenhagen; VACV-5C7 05.11.20; Anti-ECTV-5C7/1F7; ECTV-5C7/1F7

UniProt Accession Number of Target Protein:

Published Application(s): ELISA, IF

Published Species Reactivity: Monkeypox virus

Immunogen: The original mouse IgG1 version of this antibody was raised against sucrose-gradient purified monkeypox virus Copenhagen (MPXV Cph).

Specificity: This antibody recognizes monkeypox virus (MPXV). It also crossreacts with other orthopox viruses. Monkeypox virus (MPV) is a double-stranded DNA, zoonotic virus and a species of the genus Orthopoxvirus in the family Poxviridae. It causes a disease that has similar charactersists to smallpox but with a milder rash and a lower death rate. The virus causes disease in both humans and animals.

Application Notes: This antibody can be used to identify and analyse Monkypox virus (MPV). This clone was used to identify monkypox virus via ELISA (Czerny et al., 1994; pmid: 7513922). VACV-5C7 can be used to develop diagnostic assays which could allow for the detection of orthopox viruses, especially monkypox virus.

Antibody First Published in: Czerny et al. Epitope detection in the envelope of intracellular naked orthopox viruses and identification of encoding genes Virology. 1994 May 1;200(2):764-77. doi: 10.1006/viro.1994.1240. [PMID:7513922](#)

Note on publication: Describes the generation and characterization of antibodies against the Orthopox viruses.

Product Form

Size: 500 µg Purified antibody in bulk size.

Purification: Affinity Purified using a recombinant lectin column

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.