

## Anti-Monkeypox Virus [VACV-5C7] Bulk Size Ab02217-23.0-BT

This chimeric rabbit 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:** Rabbit IgG, 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 characteristics 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 Monkeypox virus (MPV). This clone was used to identify monkeypox 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 monkeypox 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:** 1 mg Purified antibody in bulk size.

**Purification:**

Protein A affinity purified

**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.