

## Anti-Capsid protein VP3 [VHH-7B] Standard Size Ab01241-1.9

This chimeric mouse antibody was made using a variable domain sequence of the original VHH format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG1-Fc fusion, His-Tagged

**Clone Number:** VHH-7B

**Alternative Name(s) of Target:**

**UniProt Accession Number of Target Protein:**

**Published Application(s):** cryo EM, ELISA

**Published Species Reactivity:** Poliovirus

**Immunogen:** The VHH-7B was generated by immunizing a dromedary with poliovirus type I Sabin strain, preparing cDNA libraries from lymphocytes, and then selecting for tight poliovirus binders by phage display.

**Specificity:** VHH-7B binds to a site on the top surface of the expanded poliovirion capsid protein VP3. VHH-7B does not bind to the native, unexpanded virus.

**Application Notes:** ELISA was used to show the reactivity of VHH-7B for poliovirus (Thys et al, 2010). The interaction of VHH-7B with capsid protein VP3 has been captured using cryo electron microscopy (Strauss et al, 2017).

**Antibody First Published in:** Thys et al, 2010. In vitro antiviral activity of single domain antibody fragments against poliovirus Antiviral Res. 2010 Aug;87(2):257-64 [PMID:20566349](#)

**Note on publication:** Describes the generation of VHH-7B from a phage display library and its characterisation using ELISA.

### Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Purified by Immobilized Metal Affinity Chromatography

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. 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.