

Anti-Capsid protein VP3 [VHH-12B] Standard Size Ab01242-1.9

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-12B

Alternative Name(s) of Target:

UniProt Accession Number of Target Protein:

Published Application(s): cryo EM, ELISA

Published Species Reactivity: Poliovirus

Immunogen: The VHH-12B 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-12B binds to a site on the top surface of the expanded poliovirion capsid protein VP3.

VHH-12B does not bind to the native, unexpanded virus.

Application Notes: ELISA was used to show the reactivity of VHH-12B for poliovirus (Thys et al, 2010). The interaction of VHH-12B 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-12B 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.