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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Capsid protein VP25 [PL-2 scFv] Bulk Size Ab04479-30.11-BT

This is an scFv fragment with a His tag.

This is a reformatted mouse scFv antibody, based on the original mouse scFv format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: scFv fragment (His), ScFv

Clone Number: PL-2 scFv

Alternative Name(s) of Target: Capsid polyprotein VP90; Capsid polyprotein VP70; Capsid protein VP34; Capsid protein VP27; Human astrovirus-2

UniProt Accession Number of Target Protein: Q82446

Published Application(s): Blocking, crystallography, IP, WB, ELISA, IF

Published Species Reactivity: Human astrovirus

Immunogen: The original antibody was raised by immunizing a BALB/c mouse with Human astrovirus-2.

Specificity: This antibody is specific for Capsid protein VP25 from Human astrovirus-2.

Application Notes: The structure of the original antibody was determined using x-ray crystallography. This antibody was used for a western blot on HAstV-2 capsid protein (Bogdanoff et al., 2016; PMID:27213181). The original antibody was used for an ELISA on purified Spike or GFP-Spike from HAstV-2 (Bogdanoff et al., 2017; PMID:27807234, Bogdanoff et al., 2018; PMID:29070688), and on purified Human astrovirus-2 (Sanchez-Fauquier et al., 1994; PMID:7514320). Further this antibody was used for surface plasmon resonance on Spike2 from HAstV-2. This antibody has shown that it is able to block the GFP-Spike2 binding to Caco-2 cells (Bogdanoff et al., 2017; PMID:27807234). This antibody was used for immunofluorescence on Human astrovirus-2 infected LLCMK2. This antibody was used for radioimmunoprecipitation on virus samples (Sanchez-Fauquier et al., 1994; PMID:7514320). This antibody was used for a neutralization assay by preincubating human astrovirus-2 with this antibody and then adding C2Bbe1 cells (Bogdanoff et al., 2018; PMID:29070688).

Antibody First Published in: Sanchez-Fauquier et al. Characterization of a human astrovirus serotype 2 structural protein (VP26) that contains an epitope involved in virus neutralization *Virology*. 1994 Jun;201(2):312-20. [PMID:7514320](https://pubmed.ncbi.nlm.nih.gov/7514320/)

Note on publication: The original paper identified several unique proteins in human astrovirus serotype 2 by using newly generated antibodies.

Product Form

Size: 500 µg Purified antibody in bulk size.

Purification: Purified by Immobilized Metal Affinity Chromatography

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.