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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Genome polyprotein [AM28] Ab04451-10.29-BT

This is a Fab fragment with His tag.

Isotype and Format: Human Fab fragment, His-Tagged, Kappa

Clone Number: AM28

Alternative Name(s) of Target: P1AB; P1C; P1D; P2A; P2B; Protein 2A; Protein 2B; Protein 2C; Capsid protein VP0; Capsid protein VP1; Capsid protein VP3; Virion protein 0; Virion protein 1; Virion protein 3; Human parechovirus 1

UniProt Accession Number of Target Protein: Q66578

Published Application(s): neutralization, SPR, ELISA, IF

Published Species Reactivity: Human parechovirus

Immunogen: The original antibody was raised from human peripheral blood from healthy donors.

Specificity: This antibody is specific for epitopes in VP0 and VP3.

Application Notes: The original antibody was used for a virus neutralization assay with HPeV1 and HT29 cells (Westerhuis et al., 2015; PMID:25948742, Shakeel et al., 2015; PMID:26157123). This antibody was used for an ELISA on purified HPeV1 to -6 or the capsid proteins VP0, VP3, and VP1 from HPeV1 to -4 (Westerhuis et al., 2015; PMID:25948742), and on N-terminally biotin-labelled HPeV1 overlapping peptides (Shakeel et al., 2015; PMID:26157123). This antibody was used for immunofluorescence on infected and uninfected HT29 cells. The binding affinity of this antibody was determined using surface plasmon resonance on VP1 of HPeV1 (Westerhuis et al., 2015; PMID:25948742). The structure of the original antibody was determined using cryo-EM (Domanska et al., 2019; PMID:30463974). This antibody was used as a control in a binding assay on HT29 cells with HPeV3 (Domanska et al., 2019; PMID:30463974).

Antibody First Published in: Westerhuis et al. Human Memory B Cells Producing Potent Cross-Neutralizing Antibodies against Human Parechovirus: Implications for Prevalence, Treatment, and Diagnosis *J Virol.* 2015 Aug;89(15):7457-64. [PMID:25948742](#)

Note on publication: The original paper generated two different human MAbs specific for HPeV by screening culture supernatants of Ab-producing human B cell cultures for direct neutralization of HPeV1.

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.