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Produktinformation



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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 [MA28-7] Standard Size Ab04468-1.1

Isotype and Format: Mouse IgG1, Kappa

Clone Number: MA28-7

Alternative Name(s) of Target: VP1; Fab28-7; Capsid protein VP1; Human enterovirus 71

UniProt Accession Number of Target Protein: Q66479

Published Application(s): in vitro, IP, neutralization

Published Species Reactivity: Human enterovirus

Immunogen: The original antibody was raised by immunizing BALB/c mice with formalin-inactivated EV71 strain 1095.

Specificity: This antibody is specific for binds specifically to the 5-fold vertex encompassing VP1-98E and VP1-244K.

Application Notes: The original version of this antibody was used for a neutralization assay by preincubating the EV71 (Human enterovirus 71) virus with the antibody and then adding Vero cells. This antibody neutralized only EV71 strains B4, B3 and C2. The structure of the fab version of this antibody was determined using cryo-EM (Lee et al., 2013; PMID:23946455). This antibody was used to immunoprecipitate EV-A71-1095 capsids from solution (Nishimura et al., 2015; PMID:26430888).

Antibody First Published in: Lee et al. A Strain-Specific Epitope of Enterovirus 71 Identified by Cryo-Electron Microscopy of the Complex with Fab from Neutralizing Antibody J Virol. 2013 Nov; 87(21): 11363-11370. [PMID:23946455](#)

Note on publication: The original paper identifies the strain-specific epitope of EV71 and discusses the possible neutralization mechanisms of the antibody.

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

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.