



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Anti-Genome polyprotein [38-1-10A] Standard Size Ab04447-15.0

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

**Isotype and Format:** Human IgM, Kappa

**Clone Number:** 38-1-10A

**Alternative Name(s) of Target:** P1; Capsid protein VP0; Capsid protein VP2; Capsid protein VP3; Capsid protein VP4; VP4-VP2; P1A; P1B; P1C; Virion protein 2; Virion protein 3; Virion protein 4; Human enterovirus 71

**UniProt Accession Number of Target Protein:** Q66479

**Published Application(s):** crystallography, IP, neutralization, FC

**Published Species Reactivity:** Human enterovirus

**Immunogen:** The original antibody was raised from human peripheral blood mononuclear cells. The cells were sorted and the sequence were isolated and cloned into a vector.

**Specificity:** This antibody is specific for the threefold plateau epitope of the genome polyprotein of Human enterovirus 71

**Application Notes:** The original antibody was used for an in vitro neutralization assay against different EV71 genotypes. It showed neutralization for all genotypes tested. This antibody was used for a in vivo assay neutralization assay with EV71 in the hSCARB2-transgenic mice model. Here it showed increased survival in the subjects. This antibody was used for immunoprecipitation on the EV71 capsid. This antibody was used for flow cytometry on EV71 infected RD cells. The structure of this antibody was determined using both cryo-EM and x-ray crystallography (Huang et al., 2020; PMID:33067459).

**Antibody First Published in:** Huang et al. Structural and functional analysis of protective antibodies targeting the threefold plateau of enterovirus 71 Nat Commun. 2020 Oct 16;11(1):5253. [PMID:33067459](#)

**Note on publication:** The original paper isolated and characterized a panel of plasmablast-derived monoclonal antibodies from an infected child whose antibody response focuses on the plateau epitope near the icosahedral 3-fold axes.

## Product Form

**Size:** 50 µg Purified antibody.

**Purification:** Affinity Purified using a recombinant lectin column

**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.