



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Anti-Genome polyprotein [38-1-10A] Standard Size Ab04447-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human Fab format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, 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:** 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.