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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

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

www.szabo-scandic.com

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

Anti-VP1 protein [860-55D] Standard Size Ab04448-10.29

This is a Fab fragment with His tag.

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

Clone Number: 860-55D

Alternative Name(s) of Target: HPV B19; VP1; VP2; Major capsid protein VP2; Viral protein 2; Human parvovirus B19

UniProt Accession Number of Target Protein: Q75U93

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

Published Species Reactivity: Human parvovirus

Immunogen: The original antibody was raised from peripheral blood mononuclear cells from individuals previously infected with Human parvovirus B19.

Specificity: This antibody is specific for a conformational epitope in VP2.

Application Notes: The original antibody was used for an ELISA on the VP1 protein of Human parvovirus B19. This antibody was tested for its neutralization ability in a human erythroid-cell colony-forming assay. It showed it was able to neutralize the parvovirus (Gigler et al., 1999; PMID:9971777). The structure of the original antibody was determined using cryo-EM (Sun et al., 2019; PMID:30787153). This antibody was used for immunoprecipitation on B19 capsids (Ros et al., 2006; PMID:17020940, Bönsch et al., 2010; PMID:20826697). Further this antibody was used for an immunofluorescence infectivity assay, this confirmed the neutralizing of the antibody (Ros et al., 2006; PMID:17020940). This antibody was used for immunofluorescence on B19 infected UT7/Epo cells (Bönsch et al., 2010; PMID:20826697, Quattrocchi et al., 2012; PMID:22718826).

Antibody First Published in: Gigler et al. Generation of Neutralizing Human Monoclonal Antibodies against Parvovirus B19 Proteins J Virol. 1999 Mar; 73(3): 1974-1979. [PMID:9971777](#)

Note on publication: The original paper generated four cell lines secreting human immunoglobulin G monoclonal antibodies (MAbs) from two healthy donors and one human immunodeficiency virus type 1-seropositive individual with high serum titers against parvovirus.

Product Form

Size: 100 µg Purified antibody.

Purification: Purified by Immobilized Metal Affinity Chromatography

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.