



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Anti-VP1 protein [860-55D] Bulk Size Ab04448-15.0-BT

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

**Isotype and Format:** Human IgM, 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:** 500 µg Purified antibody in bulk size.

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

**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.