



# 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-gp120 protein (CD4-binding domain) [559/64-D] Standard Size Ab03845-1.1

**Isotype and Format:** Mouse IgG1, Kappa

**Clone Number:** 559/64-D

**Alternative Name(s) of Target:** CD4-bd; Surface protein gp120; Glycoprotein 120; gp120

**UniProt Accession Number of Target Protein:** P03377

**Published Application(s):** Blocking, neutralization, ELISA

**Published Species Reactivity:** HIV-1

**Immunogen:** The antibody was generated by fusing Ab-producing cells pooled from two separate patients.

**Specificity:** The antibody recognises a conformational epitopes of the gp120 envelope protein of HIV-1.

**Application Notes:** The specificity of the original format of the antibody was confirmed by ELISA analysis. The antibody was able to block the interaction between recombinant CD4 (rCD4) and rgp120. It was also able to achieve 50% neutralization of HTLV-IIIB and MN strains of HIV-1 in a concentration range of 0.5-12.8 micrograms/mL. The binding affinity of the antibody for gp120 in solution was measured, dissociation constants (Kd) equal to 40 nM.

**Antibody First Published in:** Karwowska et al. Production of human monoclonal antibodies specific for conformational and linear non-V3 epitopes of gp120 AIDS Res Hum Retroviruses. 1992 Jun;8(6):1099-106. doi: 10.1089/aid.1992.8.1099. [PMID:1380257](#)

**Note on publication:** The original paper describes the generation and characterization 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.