



# 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

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## Anti-env, Envelope glycoprotein gp160 [Fab 58.2] Standard Size Ab04427-23.0

**Isotype and Format:** Rabbit IgG, Kappa

**Clone Number:** Fab 58.2

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

**UniProt Accession Number of Target Protein:** P05877

**Published Application(s):** crystallography, in vitro, neutralization, ELISA

**Published Species Reactivity:** Human immunodeficiency virus type 1 group M subtype B

**Immunogen:** The original antibody was raised by immunizing a mouse with a 40 amino-acid cyclical peptide containing the entire V3 sequence of HIV-1

**Specificity:** This antibody is specific for an epitope of envelope glycoprotein gp160 containing the HIGPGRAF sequence

**Application Notes:** The original antibody was used for an ELISA on repligen peptides containing V3 sequences. Further this antibody was used for a neutralization assay using 3 different HIV strains on CEM-SS cells. Here it was able to neutralize specific HIV strains (White-Scharf et al., 1993; PMID:7685962). The structure of the original antibody was determined using x-ray crystallography (Stanfield et al., 1999; PMID:10368281). This antibody was used for panning against a peptide display library (Jellis et al., 1993; PMID:7506691).

**Antibody First Published in:** White-Scharf et al. Broadly neutralizing monoclonal antibodies to the V3 region of HIV-1 can be elicited by peptide immunization *Virology*. 1993 Jan;192(1):197-206. [PMID:7685962](#)

**Note on publication:** The original paper used synthetic peptides containing conserved V3 sequences as immunogens to produce a panel of neutralizing MABs

### 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.