



# 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-env, Envelope glycoprotein gp160 [ITS090.03] Standard Size Ab04435-23.0

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

**Clone Number:** ITS090.03

**Alternative Name(s) of Target:** ITS90.03; gp120; Glycoprotein 120; Surface protein gp120

**UniProt Accession Number of Target Protein:** E7CWP5

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

**Published Species Reactivity:** Simian immunodeficiency virus

**Immunogen:** The original antibody was raised by immunizing a rhesus macaque with the well-characterized neutralization-resistant SIVmac239 strain

**Specificity:** This antibody recognizes a highly glycosylated epitope on the gp120 core.

**Application Notes:** The original antibody was used for a virus neutralization assay on SIV Env pseudoviruses. This antibody shows its ability to neutralize this virus (Gorman et al., 2019; PMID:31586542). This antibody was used for an competitive ELISA on SIVmac239 SOSIP.664 (Zhao et al., 2022; PMID:36068229), and on SIVmac239 gp140 FT and SIVmac239 gp120 V1V2V3-deleted gp120 core proteins. The structure of the original antibody was determined using both electron microscopy and x-ray crystallography (Gorman et al., 2019; PMID:31586542) (Zhao et al., 2022; PMID:36068229).

**Antibody First Published in:** Gorman et al. Isolation and Structure of an Antibody that Fully Neutralizes Isolate SIVmac239 Reveals Functional Similarity of SIV and HIV Glycan Shields Immunity. 2019 Oct 15;51(4):724-734.e4 [PMID:31586542](#)

**Note on publication:** The original paper reports the isolation, structure, and glycan interactions of antibody ITS90.03, a monoclonal antibody that completely neutralized the highly neutralization-resistant isolate, SIVmac239.

### 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.