



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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](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-Envelope glycoprotein gp160 [0.5beta] Bulk Size Ab04428-3.0-BT

**Isotype and Format:** Mouse IgG2b, Kappa

**Clone Number:** 0.5beta

**Alternative Name(s) of Target:** env; Env polyprotein; Envelope glycoprotein gp160

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

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

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

**Immunogen:** The original antibody was raised by immunizing a mouse with the glycoprotein fraction prepared from H9/HTLV IIIB cell extracts.

**Specificity:** This antibody is specific for the V3 loop of the envelope glycoprotein gp160.

**Application Notes:** The original version of this antibody was used for an ELISA on a synthetic 20 amino acid peptide (308-327) based on the sequence of the RP135 region of gp120 from HIV-IIIB (Maeda et al., 1991; PMID:1873503). This antibody was used for a western blot on HTLV-IIIB antigens (Matsushita et al., 1988; PMID:2452899), and on Purified HTLV-IIIB (Skinner et al., 1988; PMID:2456088). The NMR structure of this antibody was determined (Tugarinov et al., 2000; PMID:10801487). The ability of this antibody to neutralize a cell-free HIV infection of H9 cells was assayed. It was indeed able to prevent this infection (Matsushita et al., 1988; PMID:2452899). This antibody was also able to neutralize the HIV infection of AA-5 cells (Skinner et al., 1988; PMID:2456088). This antibody was able to prevent HIV infection in chimpanzees in vivo (Emeni et al., 1992; PMID:1741059).

**Antibody First Published in:** Matsushita et al. Characterization of a Human Immunodeficiency Virus Neutralizing Monoclonal Antibody and Mapping of the Neutralizing Epitope *J Virol.* 1988 Jun;62(6):2107-14.

[PMID:2452899](#)

**Note on publication:** The original paper produces a monoclonal antibody to the exterior envelope glycoprotein (gp120) of the human T-cell lymphotropic virus (HTLV)-IIIB isolate of the human immunodeficiency virus (HIV).

### Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**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.