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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Envelope glycoprotein gp160 [0.5beta] Standard Size, 100 µg,
Ab04428-3.3
[View online](#)

Anti-Envelope glycoprotein gp160 [0.5beta] Standard Size Ab04428-3.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted mouse IgG2b Fc Silent™ antibody, based on the original mouse IgG2b format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG2b, [Fc Silent™](#), 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 (Emini 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: 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.