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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

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Anti-env, Envelope glycoprotein gp160 [Fab 58.2] Standard Size Ab04427-1.1

Isotype and Format: Mouse IgG1, 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.