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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-HIV p24 antibody; HIV gp120 antibody [1F7] Standard Size Ab03855-21.0

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

Isotype and Format: Mouse IgM, Kappa

Clone Number: 1F7

Alternative Name(s) of Target: ATCC No. HB 11286; anti-idiotypic antibody

UniProt Accession Number of Target Protein:

Published Application(s): in vivo, WB, ELISA

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing BALB/c mice with pooled human polyclonal HIVIG.

Specificity: The anti-idiotypic antibody recognizes antibodies that react to different components of the HIV virus, such as gp120, p24. The antibody does not react with antibodies derived from SLE and B cell lymphoma.

Application Notes: The HIV-1 antigen capture ELISA was used to test the binding of human monoclonal anti-HIV-1 to the antibody. The antibody bound to anti-p24 antibodies and anti-gp120 antibodies. Western blot analysis confirmed that the antibody reacts with human antibodies of different HIV-1 antigen specificities (Wang et al., 1992; PMID: 1378015). SHIV-infected macaques were immunized with the antibody. Significant increases in breadth and potency of HIV-1 neutralizing antibody titers to one or more virus strains were detected in all three of the 1F7 immunized macaques (US6057421A).

Antibody First Published in: Müller et al. Generation and specificity of monoclonal anti-idiotypic antibodies against human HIV-specific antibodies. I. Cross-reacting idiotopes are expressed in subpopulations of HIV-infected individuals. J Immunol. 1991 Aug 1;147(3):933-41. [PMID:1861082](#)

Note on publication: The paper describes the generation and characterization of the anti-idiotypic antibody.

Product Form

Size: 50 µg Purified antibody.

Purification: Affinity Purified using a recombinant lectin column

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.