

Anti-gp120 protein (CD4-binding domain) [448-D] Bulk Size Ab03844-23.0-BT

Isotype and Format: Rabbit IgG, Lambda

Clone Number: 448-D

Alternative Name(s) of Target: CD4-bd; Surface protein gp120; Glycoprotein 120; gp120

UniProt Accession Number of Target Protein: P03377

Published Application(s): Blocking, neutralization, ELISA

Published Species Reactivity: HIV-1

Immunogen:

Specificity: The antibody recognises a conformational epitopes of the gp120 envelope protein of HIV-1

Application Notes: The specificity of the original format of the antibody was confirmed by ELISA analysis. The antibody was able to block the interaction between recombinant CD4 (rCD4) and rgp120. It was also able to achieve 50% neutralization of HTLV-IIIB and MN strains of HIV-1 in a concentration range of 0.5-12.8 micrograms/mL. The binding affinity of the antibody for gp120 in solution was measured, dissociation constants (Kd) equal to 29 nM.

Antibody First Published in: Karwowska et al. Production of human monoclonal antibodies specific for conformational and linear non-V3 epitopes of gp120 AIDS Res Hum Retroviruses. 1992 Jun;8(6):1099-106. doi: 10.1089/aid.1992.8.1099. [PMID:1380257](#)

Note on publication: The original paper describes the generation and characterization of the antibody.

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.