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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-env, Envelope glycoprotein gp160 [ITS090.03] Bulk Size Ab04435-23.0-BT

Isotype and Format: Rabbit IgG, Kappa

Clone Number: ITS090.03

Alternative Name(s) of Target: ITS90.03; gp120; Glycoprotein 120; Surface protein gp120

UniProt Accession Number of Target Protein: E7CWP5

Published Application(s): crystallography, in vitro, neutralization, ELISA

Published Species Reactivity: Simian immunodeficiency virus

Immunogen: The original antibody was raised by immunizing a rhesus macaque with the well-characterized neutralization-resistant SIVmac239 strain

Specificity: This antibody recognizes a highly glycosylated epitope on the gp120 core.

Application Notes: The original antibody was used for a virus neutralization assay on SIV Env pseudoviruses. This antibody shows its ability to neutralize this virus (Gorman et al., 2019; PMID:31586542). This antibody was used for an competitive ELISA on SIVmac239 SOSIP.664 (Zhao et al., 2022; PMID:36068229), and on SIVmac239 gp140 FT and SIVmac239 gp120 V1V2V3-deleted gp120 core proteins. The structure of the original antibody was determined using both electron microscopy and x-ray crystallography (Gorman et al., 2019; PMID:31586542) (Zhao et al., 2022; PMID:36068229).

Antibody First Published in: Gorman et al. Isolation and Structure of an Antibody that Fully Neutralizes Isolate SIVmac239 Reveals Functional Similarity of SIV and HIV Glycan Shields Immunity. 2019 Oct 15;51(4):724-734.e4 [PMID:31586542](#)

Note on publication: The original paper reports the isolation, structure, and glycan interactions of antibody ITS90.03, a monoclonal antibody that completely neutralized the highly neutralization-resistant isolate, SIVmac239.

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.