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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-CXCR3 [V44D7] Standard Size Ab03380-3.0

This chimeric mouse antibody was made using the variable domain sequences of the original Human IgG1 format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Mouse IgG2b, Kappa

Clone Number: V44D7

Alternative Name(s) of Target: CD183; CXC-R3; CXCR-3; CKR-L2; IP-10 receptor; GPR9; C-X-C chemokine receptor type 3; G protein-coupled receptor 9; Interferon-inducible protein 10 receptor

UniProt Accession Number of Target Protein: P49682

Published Application(s): inhibit, ELISA, FC

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing BALB/c mice with CXCR-3 expressing NSO cells. The humanized version of the antibody was created by grafting CDRs of the original murine antibody onto human framework regions.

Specificity: This antibody binds human CXCR3. This protein acts as a receptor for C-X-C chemokine CXCL9, CXCL10 and CXCL11 and mediates the proliferation, survival and angiogenic activity of human mesangial cells (HMC) through a heterotrimeric G-protein signaling pathway. Isoform 2 human mediates the proliferation, survival and angiogenic activity of microvascular endothelial cells (HMVEC) through a cAMP-mediated signaling pathway. Some of the disorders associated with CXCR3 signaling include diabetes mellitus type 1 and psoriasis.

Application Notes: The binding characterization of this antibody to human CXCR3 was done using competitive ELISA. This antibody is capable of inhibiting binding of ¹²⁵I-labeled IP-10 and -I-Tac to primary Th1 cells. This antibody can be used for the study of expression of CXCR3 on the surface of Th1 cells using flow cytometry. This antibody also inhibited Th1 cell migration mediated by CXCR3 chemokines (US8435522).

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 200 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.