

Anti-CXCR4 [I-3859] Bulk Size Ab02396-10.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

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

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: I-3859

Alternative Name(s) of Target: CD184; CXCR4; CXCR-4; FB22; Fusin; HM89; LCR1; LESTR; LAP-3; C-X-C chemokine receptor type 4; Leukocyte-derived seven transmembrane domain receptor; Lipopolysaccharide-associated protein 3; LPS-associated protein 3; NPYRL; Stromal cell-derived factor 1 receptor; SDF-1 receptor

UniProt Accession Number of Target Protein: P61073

Published Application(s): IP, ELISA, FC, IHC

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing BALB/c mice with recombinant NIH3T3-CXCR4 cells and/or peptides corresponding to CXCR4 extracellular N-term and loops.

Specificity: This antibody binds the human CXCR4.

Application Notes: The binding of this antibody to human CXCR4 was tested using ELISA. This antibody is capable of immunoprecipitating both CXCR4 monomers and dimers. I-3859 can also recognize CXCR4 present on NIH3T3-hCXCR4 transfected cells, MDA-MB-231, U937 promyelocytic cancer cells and Hela cervix cancer cells by flow cytometry. This antibody is also found to compete with other Anti-CXCR4 mAb 515H7 for binding to cell membrane as analyzed by flow cytometry. This antibody can be used for the immunohistochemical staining of tumor cells expressing CXCR4. It was used for the staining of RAMOS and KARPAS299 xenograft tumor cells (US20140170677).

Antibody First Published in: US20140170677 [PMID:](#)

Note on publication:

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.