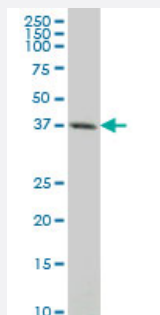


CXCR4 monoclonal antibody (M02), clone 1F8

Catalog # H00007852-M02

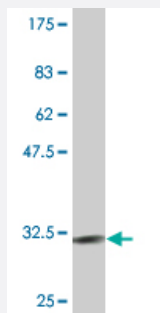
Size 100 ug

Applications



Western Blot (Tissue lysate)

CXCR4 monoclonal antibody (M02), clone 1F8. Western Blot analysis of CXCR4 expression in human Intestinal wall.



Western Blot detection against Immunogen (30.8 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CXCR4.
Immunogen	CXCR4 (AAH20968, 1 a.a. ~ 46 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MEGISYTSNDNYTEEMGSGDYDSMKEPCFREENANFNKIFLPTYS
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (30.8 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

CXCR4 monoclonal antibody (M02), clone 1F8. Western Blot analysis of CXCR4 expression in human Intestinal wall.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — CXCR4

Entrez GeneID

[7852](#)

GeneBank Accession#

[BC020968](#)

Protein Accession#

[AAH20968](#)

Gene Name

CXCR4

Gene Alias

CD184, D2S201E, FB22, HM89, HSY3RR, LAP3, LCR1, LESTR, NPY3R, NPYR, NPYRL, NPY 3R, WHIM

Gene Description

chemokine (C-X-C motif) receptor 4

Omim ID

[162643](#) [193670](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a CXC chemokine receptor specific for stromal cell-derived factor-1. The protein has 7 transmembrane regions and is located on the cell surface. It acts with the CD4 protein to support HIV entry into cells and is also highly expressed in breast cancer cells. Mutations in this gene have been associated with WHIM (warts, hypogammaglobulinemia, infections, and myelodysplasia) syndrome. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]

Other Designations

C-X-C chemokine receptor type 4|CD184 antigen|chemokine (C-X-C motif), receptor 4 (fusin)|chemokine receptor 4|fusin|leukocyte-derived seven-transmembrane-domain receptor|lipopolysaccharide-associated protein 3|neuropeptide Y receptor Y3|seven transmembrane

Publication Reference

- [LMW-PTP targeting potentiates the effects of drugs used in chronic lymphocytic leukemia therapy.](#)

Capitani N, Lori G, Paoli P, Patrussi L, Troilo A, Baldari CT, Raugei G, D'Elia MM.

Cancer Cell International 2019 Mar; 19:67.

Application: Flow Cyt, Human, Mec-1 cells

- [Negative regulation of chemokine receptor signaling and B-cell chemotaxis by p66Shc.](#)

Patrussi L, Capitani N, Cannizzaro E, Finetti F, Lucherini OM, Pelicci PG, Baldari CT.

Cell Death & Disease 2014 Feb; 5:e1068.

Application: WB-Tr, Human, MEC-1 cells

Pathway

- [Axon guidance](#)
- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)
- [Endocytosis](#)
- [Leukocyte transendothelial migration](#)

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)

- [Celiac Disease](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Growth Hormone-Secreting Pituitary Adenoma](#)
- [Hepatitis B](#)
- [HIV Infections](#)
- [Hyperglycemia](#)
- [Liver Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Mouth Neoplasms](#)
- [Multiple Sclerosis](#)
- [Neoplasm Invasiveness](#)
- [Pituitary Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Tumor Virus Infections](#)