



Armenian Hamster Anti-Mouse CXCR3 (CD183) Monoclonal antibody, clone CXCR3-173 (CABT-L4497)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

The CXCR3-173 monoclonal antibody reacts with mouse CXCR3 also known as CD183, a 38 kDa chemokine receptor for CXCL9 (MIG), CXCL10 (IP-10), and CXCL11 (ITAC). CXCR3 is expressed primarily on activated T cells, NK cells, as well as some epithelial cells and endothelial cells. CXCR3 mediates leukocyte trafficking. Binding of chemokine ligands to CXCR3 induces various cellular responses, including integrin activation, cytoskeletal changes and chemotactic migration. The binding of CXCR3-173 to CXCR3 is reported to inhibit receptor binding of CXCL10 and CXCL11 but not CXCL9.

Target	Mouse CXCR3 (CD183)
Immunogen	Peptide consisting of amino acids 1-37 of mouse CXCR3
Isotype	IgG
Source/Host	Armenian Hamster
Species Reactivity	Mouse
Clone	CXCR3-173
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo CXCR3 neutralization, FC
Molecular Weight	150 kDa

Format	0.2 µM filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific
Size	5 mg
Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free] Endotoxin level: <2EU/mg (<0.002EU/µg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	This gene encodes a G protein-coupled receptor with selectivity for three chemokines, termed CXCL9/Mig (monokine induced by interferon-g), CXCL10/IP10 (interferon-g-inducible 10 kDa protein) and CXCL11/I-TAC (interferon-inducible T cell a-chemoattractant). Binding of chemokines to this protein induces cellular responses that are involved in leukocyte traffic, most notably integrin activation, cytoskeletal changes and chemotactic migration. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. One of the isoforms (CXCR3-B) shows high affinity binding to chemokine, CXCL4/PF4 (PMID:12782716). [provided by RefSeq, Jun 2011]
Keywords	CXCR3;chemokine (C-X-C motif) receptor 3;GPR9;MigR;CD182;CD183;Mig-R;CKR-L2;CMKAR3;IP10-R;C-X-C chemokine receptor type 3;CXC-R3;CXCR-3;Mig receptor;IP10 receptor;IP-10 receptor;G protein-coupled receptor 9;chemokine (C-X-C) receptor 3;interferon-inducible protein 10 receptor;

GENE INFORMATION

Official Symbol	chemokine (C-X-C motif) receptor 3
Synonyms	CXCR3; chemokine (C-X-C motif) receptor 3; GPR9; MigR; CD182; CD183; Mig-R; CKR-L2; CMKAR3; IP10-R; C-X-C chemokine receptor type 3; CXC-R3; CXCR-3; Mig receptor; IP10 receptor; IP-10 receptor; G protein-coupled receptor 9; chemokine (C-X-C) receptor 3; interferon-inducible protein 10 receptor;
References	Jacquelot, N., et al. (2016). "Chemokine receptor patterns in lymphocytes mirror metastatic

