



Rabbit Anti-Human Fractalkine monoclonal antibody, clone S510 (CABT-ZB960)

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

PRODUCT INFORMATION

Specificity	It reacts with Human Fractalkine
Target	CX3CL1
Immunogen	Recombinant Human Fractalkine/CX3CL1 protein
Isotype	IgG1
Source/Host	Rabbit
Species Reactivity	Human
Clone	S510
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA, ELISA(det), IHC-P We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB610 - CABT-ZB960 This antibody will detect Fractalkine in antibody pair set. [ABPR-ZB188]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human Fractalkine / CX3CL1.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL

Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Fractalkine or Chemokine (C-X3-C motif) ligand 1 (CX3CL1) is a member of the CX3C chemokine family. Fractalkine/CX3CL1 is a unique chemokine that functions not only as a chemoattractant but also as an adhesion molecule and is expressed on endothelial cells activated by proinflammatory cytokines, such as interferon-gamma and tumor necrosis factor-alpha. Fractalkine/CX3CL1 is expressed in a membrane-bound form on activated endothelial cells and mediates attachment and firm adhesion of T cells, monocytes and NK cells. Fractalkine/CX3CL1 is associated with dendritic cells (DC) in epidermis and lymphoid organs. The fractalkine receptor, CX3CR1, is expressed on cytotoxic effector lymphocytes, including natural killer (NK) cells and cytotoxic T lymphocytes, which contain high levels of intracellular perforin and granzyme B, and on macrophages. Soluble fractalkine causes migration of NK cells, cytotoxic T lymphocytes, and macrophages, whereas the membrane-bound form captures and enhances the subsequent migration of these cells in response to secondary stimulation with other chemokines.
Keywords	CX3CL1; chemokine (C-X3-C motif) ligand 1; NTN; NTT

GENE INFORMATION

Synonyms	CX3CL1; chemokine (C-X3-C motif) ligand 1; NTN; NTT; CXC3; CXC3C; SCYD1; ABCD-3; C3Xkine; fractalkine; neurotactin; fractalkine; C-X3-C motif chemokine 1; small-inducible cytokine D1; CX3C membrane-anchored chemokine; small inducible cytokine subfamily D (Cys-X3-Cys), member-1; small inducible cytokine subfamily D (Cys-X3-Cys), member 1 (fractalkine, neurotactin)
Entrez Gene ID	6376
UniProt ID	P78423