

Anti-CX3CL1/Fractalkine Antibody (8F783)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	8F783
Purification:	Protein A

Applications

Verified Activity:	1. Immunochemical staining of human CX3CL1 in human pancreas with rabbit monoclonal antibody (1:100, formalin-fixed paraffin embedded sections). 2. Immunochemical staining of human CX3CL1 in human kidney with rabbit monoclonal antibody (1:100, formalin-fixed paraffin embedded sections).
Application:	ELISA,ELISA(Det),IHC-P
Recommended	ELISA: 1:5000-1:10000; IHC-P: 1:50-1:200; ELISA(Det): 1:1000-1:10000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human Fractalkine / CX3CL1 protein (TMPY-00737)
Antigen Species:	Human
Synonyms:	chemokine (C-X3-C motif) ligand 1
Biology Area:	Neuroinflammation

Research Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481