

Datasheet for ABIN1607866
anti-CX3CL1 antibody (Biotin)



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1 Image

Overview

Quantity:	100 µg
Target:	CX3CL1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CX3CL1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Anti-Fractalkine antibody was prepared from rabbit antiserum after repeated immunizations with a truncated form of recombinant human Fractalkine protein from E. coli. Immunogen Type: Recombinant Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity with Fractalkine from other sources has not been determined.
Purity:	Anti-Fractalkine is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. This antibody is specific for human Fractalkine protein. A BLAST analysis was used to suggest cross-reactivity with Fractalkine from human sources based on 100 % homology with the immunizing sequence. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin and anti-Rabbit Serum.

Product Details

Endotoxin Level: Low Endotoxin : No

Target Details

Target: CX3CL1

Alternative Name: Fractalkine ([CX3CL1 Products](#))

Background: Fractalkine (CX3CL1) is an atypical chemokine that was the first of a fourth chemokine motif (CX3C). It is thought to function as a T cell and monocyte chemotractant and is produced by non-haemopoietic cells. Fractalkine is made in a soluble and membrane bound form in activated endothelial cells which is thought to promote adhesion of leukocytes. The soluble form is chemotactic for T-cells and monocytes, but not for neutrophils, while the cell-bound chemokine promotes strong adhesion of leukocytes to activated endothelial cells, where it is primarily expressed. It is found predominantly in the small intestine, colon, testis, prostate, heart, brain, lung, skeletal muscle, kidney and pancreas. Fractalkine may play a role in regulating leukocyte adhesion and migration processes at the endothelium by binding to CX3CR1. Recombinant human Fractalkine is a non-glycosylated protein with a molecular weight of 8.6 kDa. Anti-Fractalkine antibody is ideal for researchers interested in cytokines and stem cell research. Synonyms: CX3CL1, Fractalkine, Chemokine (C-X3-C motif) ligand 1, C-X3-C motif chemokine 1, CX3C membrane-anchored chemokine, Neurotactin, Small-inducible cytokine D1, FKN, NTT, SCYD1, A-152E5.2

Gene ID: 6376

NCBI Accession: [NP_002987](#)

UniProt: [P78423](#)

Pathways: [Synaptic Membrane](#)

Application Details

Application Notes: Fractalkine purified antibody has been tested for use in ELISA and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~42 kDa in size corresponding to the human Fractalkine protein by western blotting in appropriate cell lysate or extract.

ELISA Dilution: 1:20.000 - 1:50.000

Fluorochrome Protein Value: 10-20

Western Blot Dilution: 1:1000-1:2000

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Restore with 100 μ L deionized water (or equivalent)

Concentration: 1 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

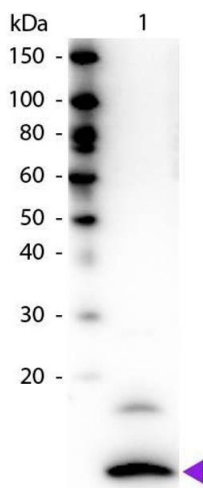
Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Storage: 4 $^{\circ}$ C/-20 $^{\circ}$ C

Storage Comment: Store vial at 4 $^{\circ}$ C prior to restoration. For extended storage aliquot contents and freeze at -20 $^{\circ}$ C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4 $^{\circ}$ C as an undiluted liquid. Dilute only prior to immediate use.

Expiry Date: Expiration date is one (1) year from date of opening.

Images



Western Blotting

Image 1. Western blot of Biotin conjugated Rabbit Anti-Fractalkine primary antibody. Lane 1: Human Fractalkine. Lane 2: None. Load: 50 ng per lane. Primary antibody: Fractalkine Biotin conjugated antibody at 1:1,000 for 60 min at RT. Secondary antibody: Peroxidase streptavidin secondary antibody at 1:40,000 for 30 min at RT. Blocking: ABIN925618 for 30 min at RT. Observed/Predicted size: 9 kDa, 9 kDa for Human Fractalkine. Other band(s): None.