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32-20126: Recombinant Rat Fractalkine (CX3CL1)(Discontinued)

Reactivity : Human, Rat
Alternative Name : Neurotactin, CX3CL1, FKN

Description

Source:E.coli Fractalkine is a CX3CL chemokine that signals through the CX3CR1 receptor. Fractalkine has been shown to chemoattract monocytes, microglia cells and NK cells. Fractalkine is, at this time, the only CXC3C chemokine that contains three amino acid residues between the first and second cysteine residues of the chemokine domain. The Fractalkine gene encodes for a 397 amino acid precursor protein containing a 24 amino acid signal sequence, a chemokine domain, and a "mucin-like stalk" sequence, which is followed by the transmembrane domain containing approximately 20 amino acids, and a C-terminal cytoplasmic domain.Â The extracellular chemokine domain contains 76 amino acid residues, including the four conserved cysteine residues found in other chemokines. Recombinant Human Fractalkine is an 8.5 kDa protein containing 76 amino acid residues, including the four conserved cysteine residues present in CC chemokines.Â Recombinant Rat Fractalkine is an 8.7 kDa protein containing 76 amino acid residues, including the four conserved cysteine residues present in CC chemokines.

Product Info

Amount : 5 µg / 20 µg
Purification : Purity: >= 98% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : QHLGMTKCNI TCHKMTSPIP VTLLIHYQLN QESCGKRAII LETRQHRHFC ADPKEKWVQDAMKHLDHQTA ALTRNG

Application Note

Determined by its ability to chemoattract human monocytes using a concentration range of 5.0-10.0 ng/ml.