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## Anti-CX3CL1 (Fractalkine) Purified

Catalog Number: 14-7986


Also Known As: Fractalkine

RUO: For Research Use Only

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### Product Information


Contents: Anti-CX3CL1 (Fractalkine) Purified

 Catalog Number: 14-7986


Clone: polyclonal


Host/Isotype: Rabbit IgG

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C.

 Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

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### Description

The rabbit polyclonal antibody reacts with recombinant and natural mouse, rat, and human fractalkine (CX3CL1); the antibody was generated using *E. coli*-expressed chemotactic domain of human CX3CL1 as an immunogen. CX3CL1, also known as neurotactin or fractalkine, is a membrane-bound CX3C chemokine. The mature protein is part of a 397-amino acid precursor and consists of a chemokine domain of 76 amino acids, a mucin stalk of 241 amino acids, a putative transmembrane domain of 18 amino acids, and an intracellular tail of 37 amino acids. Within the chemokine domain, the first two cysteine residues are separated by 3 amino acids (CX3C). CX3CL1 message is found in high abundance in the brain, kidney, lung and heart tissues. CX3CL1 is chemotactic for monocytes and other leukocytes including NK cells and may play a role in brain inflammation.

### Applications Reported

This polyclonal has been reported for use in immunoblotting (WB), immunoprecipitation, and immunohistochemistry. Cross-reactivity to CX3CL1 of other species has not been determined.

### Applications Tested

To achieve best results, titrate antibody by dilution for each application as follows:

Western Blot 1:1000-1:5000

Immunoprecipitation 1:300-1:800

Immunohistochemistry 1:100-1:500

### References

Bazan J.F. et al. 1997. A new class of membrane-bound chemokine with a CX3C motif. *Nature* 385:640-644

Pan, Y. et al. 1997. Neurotactin, a membrane-anchored chemokine upregulated in brain inflammation. *Nature* 387:611-617

Imai, T. et al. 1997. Identification and molecular characterization of fractalkine receptor CX3CR1, which mediates both leukocyte migration and adhesion. *Cell* 91:521-530.

Sawai H, Park YW, et al. 2005. T cell costimulation by fractalkine-expressing synoviocytes in rheumatoid arthritis. *Arthritis Rheum.* 52(5):1392-401. (IHC frozen in human tissue, PubMed)

### Related Products

14-7999 Anti-Mouse CX3CL1 (Fractalkine) Purified (Polyclonal)

18-8816 Rabbit TrueBlot<sup>®</sup>: Anti-Rabbit IgG HRP

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