

Anti-Mouse CX3CL1 (Fractalkine) Purified

Catalog Number: 14-7999

Also Known As: Fractalkine

RUO: For Research Use Only

Product Information


Contents: Anti-Mouse CX3CL1 (Fractalkine) Purified

 Catalog Number: 14-7999


Clone: Polyclonal


Host/Isotype: Rabbit IgG

Formulation: aqueous buffer, 0.09% sodium azide, contains carrier protein/stabilizer if necessary

 Temperature Limitation: Store at 2-8°C.

 Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The Fractalkine polyclonal antibody reacts with recombinant and natural mouse CX3CL1 (Fractalkine). The antibody was generated using *E. coli*-expressed chemotactic domain of mouse CX3CL1 as an immunogen. CX3CL1, also termed neurotactin or fractalkine, is a membrane-bound CX3C chemokine. The mature protein is part of a 397-amino acid precursor consisting of a chemokine domain (76 amino acids), a mucin stalk of 241 residues, a putative transmembrane domain (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. CX3CL1 message is found at high concentrations in the brain, and also in kidney, lung and heart. CX3CL1 is chemotactic for monocytes and may play a role in brain inflammation. This antibody has less than 30% cross-reactivity to human and rat Fractalkine. Cross-reactivity to fractalkine of other species has not been determined.

Applications Reported

This polyclonal antibody has been reported for use in immunoprecipitation, immunoblotting (WB), and immunohistochemical staining of frozen tissue sections.

Applications Tested

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

Western Blot 1:1000-1:2000

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

Harrison, J.K., et al. 1998. Role for neuronally derived fractalkine in mediating interactions between neurons and CX3CR1-expressing microglia. *Proc Natl Acad Sci U S A* 95(18):10896-10901

Related Products

18-8816 Rabbit TrueBlot®: Anti-Rabbit IgG HRP

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