

Product Information

Contents: Polyclonal rabbit anti-human/rat CX3CR1 (fractalkine/neurotactin receptor)

Catalog Number: 14-7988

Sizes: 50 ug, 200 ug

Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃

Storage Conditions: Store at 4°C.

Avoid repeated freeze/thaw cycles.

The 50µg size of this antibody is supplied in liquid form. The 200µg size of this antibody may be supplied in liquid or lyophilized powder forms. To reconstitute the lyophilized antibody, add 200µl of PBS for a final concentration of 1mg/ml.

Clone: Polyclonal

Isotype: Rabbit IgG

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
14-7988	Polyclonal anti-human/rat CX3CR1 (Fractalkine/neurotactin receptor)	N/A	N/A	IH/F IP WB

Description

The rabbit polyclonal antibody reacts with recombinant and natural human and rat CX3CR1; the antibody was generated using *E. coli*-expressed human CX3CR1 amino terminal domain as an immunogen. CX3CR1, also termed neurotactin or fractalkine, is a membrane-bound CX3C chemokine. Human CX3CR1, also named V28, was first cloned from human genomic DNA libraries. A G-protein-coupled seven-transmembrane domain receptor, it was recently identified to serve as fractalkine receptor. Human CX3CR1 has been shown to mediate both the adhesive and migratory functions of fractalkine. Fractalkine and CX3CR1 represent new types of leukocyte trafficking regulators. Cross reactivity to CX3CR1 of other species has not been determined.

Usage

For research use only, not for diagnostic or therapeutic use. 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 1:2000-1:5000

Immunoprecipitation 1:300-1:800

Immunohistochemistry 1:100-1:500

Related Products

Cat. 18-8816 Rabbit TrueBlot™: Horseradish Peroxidase (HRP) anti-rabbit IgG

References

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

Harrison, J.K. et al. 1994. cDNA cloning of a G-protein-coupled receptor expressed in rat spinal cord and brain related to chemokine receptors. *Neurosci Lett* 169:85-89

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

Combadiere, C. et al. 1998. Identification of CX3CR1. A chemotactic receptor for the human CX3C chemokine fractalkine and a fusion coreceptor for HIV. *J Biol Chem* 273(37):23799-23804

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