

CX3CL1 (Fractalkine) Polyclonal Antibody, eBioscience™

Product Details

Size	50 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Rat, Human, Mouse
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_468501

Applications	Tested Dilution	Publications
Immunohistochemistry (Frozen) (IHC (F))	1:100-1:500	1 Publication
Immunoprecipitation (IP)	1:300-1:800	-
Western Blot (WB)	1:1000-1:5000	2 Publications
Immunocytochemistry (ICC)	-	1 Publication
Immunofluorescence (IF)	-	1 Publication
Immunohistochemistry (IHC)	-	2 Publications

Product Specific Information

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.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 μm post-manufacturing filtered.

7 References

Immunocytochemistry (1)

Journal of neuroinflammation

Fractalkine shedding is mediated by p38 and the ADAM10 protease under pro-inflammatory conditions in human astrocytes.

"14-7986 was used in Immunocytochemistry to investigate the regulation of the CX3CL1 ligand in astrocytes."

Authors: O'Sullivan SA,Gasparini F,Mir AK,Dev KK

Species
Human

Dilution
Not Cited

Year
2016

Immunofluorescence (1)

Journal of neuroinflammation

Fractalkine shedding is mediated by p38 and the ADAM10 protease under pro-inflammatory conditions in human astrocytes.

"14-7986 was used in Immunocytochemistry to investigate the regulation of the CX3CL1 ligand in astrocytes."

Authors: O'Sullivan SA,Gasparini F,Mir AK,Dev KK

Species
Human

Dilution
Not Cited

Year
2016

Western Blot (2)

The Journal of clinical investigation

MicroRNA-181b regulates NF-B-mediated vascular inflammation.

"Published figure using CX3CL1 (Fractalkine) polyclonal antibody (Product # 14-7986-81) in Western Blot"

Authors: Sun X,Icli B,Wara AK,Belkin N,He S,Kobzik L,Hunninghake GM,Vera MP,Blackwell TS,Baron RM,Feinberg MW

Species
Not Applicable

Dilution
Not Cited

Year
2012

Immune network

Dietary Aloe Improves Insulin Sensitivity via the Suppression of Obesity-induced Inflammation in Obese Mice.

"14-7986 was used in Western Blotting to investigate whether the aloe component could reduce obesity-induced inflammation and the occurrence of metabolic disorders."

Authors: Shin E,Shim KS,Kong H,Lee S,Shin S,Kwon J,Jo TH,Park YI,Lee CK,Kim K

Species
Mouse

Dilution
Not Cited

Year
2011

More applications with references on thermofisher.com

IHC (2) IHC (F) (1)

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