

Datasheet: AHP453B

BATCH NUMBER 110815

Description:	RABBIT ANTI HUMAN FRACTALKINE:Biotin
Specificity:	FRACTALKINE
Other names:	CX3CL1
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			0.15 - 0.30ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG conjugated to Biotin - lyophilised
Reconstitution	Reconstitute with 0.5 ml sterile PBS containing 0.1% Bovine Serum Albumin.
Antiserum Preparation	Antisera to human fractalkine were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present

Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	Recombinant human fractalkine.
External Database Links	<p>UniProt: P78423 Related reagents</p> <p>Entrez Gene: 6376 CX3CL1 Related reagents</p>
Synonyms	FKN, NTT, SCYD1
RRID	AB_2087156
Specificity	<p>Rabbit anti Human Fractalkine antibody recognizes human fractalkine, otherwise known as CX3CL1, a 397 amino acid CX3C chemokine which signals through the CX3CR1 receptor and is expressed by various tissues including the brain, testis, lung, heart, kidney, colon and skeletal muscle.</p> <p>Adhesion of fractalkine to the CX3CR1 receptor triggers the chemotaxis and adhesion of leucocytes, including T cells, monocytes and NK cells and studies have suggested that fractalkine is involved in the regulation of brain microglia during neuroinflammatory processes (Sunnemark et al. 2005). CX3CL1 may also play a role in dendritic cell mediated host defense against invading pathogens such as <i>Legionella pneumophila</i> (Kikuchi et al. 2005).</p>
Further Reading	<ol style="list-style-type: none"> 1. Sunnemark, D. <i>et al.</i> (2005) CX3CL1 (fractalkine) and CX3CR1 expression in myelin oligodendrocyte glycoprotein-induced experimental autoimmune encephalomyelitis: kinetics and cellular origin. J Neuroinflammation. 2: 17. 2. Kikuchi, T. <i>et al.</i> (2005) Involvement of fractalkine/CX3CL1 expression by dendritic cells in the enhancement of host immunity against <i>Legionella pneumophila</i>. Infect Immun. 73 (9): 5350-7.
Storage	<p>Prior to reconstitution store at -20°C. After reconstitution store at -20°C.</p> <p>This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/AHP453B

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Regulatory

For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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