

## Datasheet: AHP1589

<b>Description:</b>	RABBIT ANTI HUMAN CX3CR1 (N-TERMINAL)
<b>Specificity:</b>	CX3CR1 (N-TERMINAL)
<b>Other names:</b>	FRACTALKINE RECEPTOR
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin (1)	▪			2.0ug/ml
Western Blotting	▪			0.5 - 1.0ug/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.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Rat, Mouse <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antiserum to human CX3CR1 (NT) was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.02% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	A peptide corresponding to amino acids 2-21 of human CX3CR1.

**External Database  
Links**

**UniProt:**

[P49238](#)   [Related reagents](#)

**Entrez Gene:**

[1524](#)   CX3CR1   [Related reagents](#)

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**Synonyms**

CMKBRL1, GPR13

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**Specificity**

**Rabbit anti Human CX3CR1 antibody** recognizes the N-terminal region of Human CX3CR1, a 40.4 kDa seven trans-membrane protein.

CX3CR1, also known as fractalkine receptor, is the receptor for CX3CL1 and acts as a co-receptor with CD4 for the HIV-1 envelope protein. It is expressed in a variety of human tissues and mediates leucocyte adhesion and migration.

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**Histology Positive  
Control Tissue**

Human heart

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**Western Blotting**

AHP1589 detects a band of approximately 50kDa in human spleen cell lysates.

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**References**

1. Viladomiu, M. *et al.* (2017) Cooperation of Gastric Mononuclear Phagocytes with *Helicobacter pylori* during Colonization. [J Immunol. 198 \(8\): 3195-204.](#)

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**Further Reading**

1. Combadiere, C. *et al.* (1995) Cloning, chromosomal localization, and RNA expression of a human beta chemokine receptor-like gene. [DNA Cell Biol. 14 \(8\): 673-80.](#)
2. Combadiere, C. *et al.* (1998) Gene cloning, RNA distribution, and functional expression of mCX3CR1, a mouse chemotactic receptor for the CX3C chemokine fractalkine. [Biochem Biophys Res Commun. 253 \(3\): 728-32.](#)
3. Combadiere, C. *et al.* (1998) Identification of CX3CR1. A chemotactic receptor for the human CX3C chemokine fractalkine and a fusion coreceptor for HIV-1. [J Biol Chem. 273 \(37\): 23799-804.](#)
4. Raport, C.J. *et al.* (1995) The orphan G-protein-coupled receptor-encoding gene V28 is closely related to genes for chemokine receptors and is expressed in lymphoid and neural tissues. [Gene. 163 \(2\): 295-9.](#)

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**Storage**

Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Shelf Life**

18 months from date of despatch.

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)   [FITC](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)  
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),  
[DyLight®680](#), [DyLight®800](#)

## Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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