

Datasheet: AHP1010

BATCH NUMBER 160215

Description:	RABBIT ANTI HUMAN CD193
Specificity:	CD193
Other names:	CCR3
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			
Immunohistology - Paraffin (1)	▪			10ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1ug/ml
Immunofluorescence	▪			

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.

Target Species

Human

Species Cross Reactivity

Reacts with: Rat, Mouse

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to human CD193 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1 mg/ml
Immunogen	Synthetic peptide corresponding to a 14 amino acid sequence located near human CD193 carboxy-terminus.
External Database Links	<p>UniProt: P51677 Related reagents</p> <p>Entrez Gene: 1232 CCR3 Related reagents</p>
Synonyms	CMKBR3
RRID	AB_2074377
Specificity	<p>Rabbit anti Human CD193 antibody recognizes human CD193, otherwise known as CC chemokine receptor 3 (CCR3), a seven-helix transmembrane G-protein coupled receptor which, along with CCR5 and CXCR4, acts as a principal receptor for the fusion and entry of HIV into target cells. CD193 is expressed by eosinophils, basophils, mast cells, microglia, Th₂ helper cells and some epithelial cells.</p> <p>CD193 acts as a receptor for several CC chemokines including monocyte chemoattractant proteins (MCP) -1, -2, -3 and -4, MIP-1a, MIP-1β, and RANTES. The eotaxin subgroup of CC chemokines act as specific agonists for CD193, and this interaction has become a focus area for studies into the infection of microglia by HIV (He, J. et al. 1997) and allergy research (Holse, M. et al. 2006).</p> <p>Rabbit anti Human CD193 antibody has been used successfully for the detection of human CD193 by immunohistochemistry on formalin fixed, paraffin embedded intervertebral disc tissue (Gruber et al. 2014).</p>
Histology Positive Control Tissue	Human spleen.
Western Blotting	AHP1010 detects a band of approximately 55kDa in human spleen cell lysates (predicted Mwt. 41kDa)

References

1. Wainwright, D.A. *et al.* (2009) Exacerbation of facial motoneuron loss after facial nerve axotomy in CCR3-deficient mice. [ASN Neuro. 1 \(5\): e00024.](#)
2. Kallankari, H. *et al.* (2010) Chemokine CCL18 predicts intraventricular hemorrhage in very preterm infants. [Ann Med. 42: 416-25.](#)
3. Gruber, H.E. *et al.* (2014) Production and expression of RANTES (CCL5) by human disc cells and modulation by IL-1- β and TNF- α in 3D culture. [Exp Mol Pathol. 96: 133-8.](#)

Further Reading

1. Holse, M. *et al.* (2006) CCR3, CCR5, CCR8 and CXCR3 expression in memory T helper cells from allergic rhinitis patients, asymptotically sensitized and healthy individuals. [Clin Mol Allergy. 4: 6.](#)
2. Combadiere, C. *et al.* (1996) Cloning and functional expression of a human eosinophil CC chemokine receptor. [J Biol Chem. 271 \(18\): 11034.](#)
3. He, J. *et al.* (1997) CCR3 and CCR5 are co-receptors for HIV-1 infection of microglia. [Nature. 385 \(6617\): 645-9.](#)

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.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/AHP1010>
 10040

Regulatory

For research purposes only

Related Products**Recommended Secondary Antibodies**

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
 Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
 Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
 Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Recommended Useful Reagents

- [ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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Printed on 18 Jan 2024

