

Datasheet: MCA2175

Description:	RAT ANTI HUMAN CD195
Specificity:	CD195
Other names:	CCR5
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	HEK/1/85a
Isotype:	IgG2a
Quantity:	0.2 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	■			1/50 - 1/100
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA			■	
Immunoprecipitation			■	
Western Blotting			■	

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	CHO cells transfected with human CCR5

**External Database
Links**

UniProt:

[P51681](#) [Related reagents](#)

Entrez Gene:

[1234](#) CCR5 [Related reagents](#)

Synonyms

CMKBR5

Fusion Partners

Spleen cells from immunised rats were fused with cell of the rat Y3 myeloma cell line

Specificity

Rat anti Human CD195 antibody, clone HEK/1/85a recognizes the human CD195 cell surface antigen, a 45 kDa glycoprotein also known as CCR5.

CD195 acts as a receptor for a number of chemokines including RANTES and eotaxin and serves as a co-receptor for the entry of HIV into cells. CD195 is expressed by a subset of T lymphocytes and by monocytes.

Flow Cytometry

Use 10ul of the suggested working dilution to label 100ul **fresh** whole blood.

References

1. Mueller, A. *et al.* (2002) Pathways for internalization and recycling of the chemokine receptor CCR5. [Blood 99 \(3\): 785-91.](#)
2. Pilch-Cooper, H.A. *et al.* (2011) Circulating human CD4 and CD8 T cells do not have large intracellular pools of CCR5. [Blood 118: 1015-9.](#)
3. Ramirez, R. *et al.* (2006) Microinflammation in hemodialysis is related to a preactivated subset of monocytes. [Hemodial Int. 10 Suppl 1:S24-7.](#)
4. Liptrott, N.J. *et al.* (2009) The impact of cytokines on the expression of drug transporters, cytochrome P450 enzymes and chemokine receptors in human PBMC. [Br J Pharmacol. 156: 497-508.](#)
5. Bönsch, C. *et al.* (2015) Potent Anti-HIV Chemokine Analogs Direct Post-Endocytic Sorting of CCR5. [PLoS One 10 \(4\): e0125396.](#)
6. Holmannova, D. *et al.* (2016) Effects of conventional CPB and mini-CPB on neutrophils CD162, CD166 and CD195 expression. [Perfusion Sep 13. pii: 0267659116669586. \[Epub ahead of print\]](#)

Storage

Store at +4°C or at -20°C if preferred.

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.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

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

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	DyLight®800
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR21...)	HRP
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight®549 , DyLight®649 , DyLight®800
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin
Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR72...)	HRP

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