

Datasheet: MCA2175PE

Description:	RAT ANTI HUMAN CD195:RPE
Specificity:	CD195
Other names:	CCR5
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	HEK/1/85a
Isotype:	IgG2a
Quantity:	100 TESTS

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	■			Neat - 1/5

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 - lyophilized		
Reconstitution	Reconstitute with 1 ml distilled water		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
Preparation	Purified IgG prepared by affinity chromatography on Protein G from		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide		
Stabilisers	1%	Bovine Serum Albumin	
	5%	Sucrose	
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 10 ⁶ cells in 100ul.
References	1. Mueller, A. <i>et al.</i> (2002) Pathways for internalization and recycling of the chemokine receptor CCR5. Blood 99 (3): 785-91. 2. Pilch-Cooper, H.A. <i>et al.</i> (2011) Circulating human CD4 and CD8 T cells do not have large intracellular pools of CCR5. Blood 118: 1015-9. 3. Ramirez, R. <i>et al.</i> (2006) Microinflammation in hemodialysis is related to a preactivated subset of monocytes. Hemodial Int. 10 Suppl 1:S24-7. 4. Liptrott, N.J. <i>et al.</i> (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. <i>et al.</i> (2015) Potent Anti-HIV Chemokine Analogs Direct Post-Endocytic Sorting of CCR5. PLoS One 10 (4): e0125396. 6. Holmannova, D. <i>et al.</i> (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	Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10075 available at: 10075: https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL:RPE \(MCA6005PE\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)
[HUMAN SEROBLOCK \(BUF070B\)](#)

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Printed on 05 May 2018

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