

## Datasheet: MCA2175PE

<b>Description:</b>	RAT ANTI HUMAN CD195:RPE
<b>Specificity:</b>	CD195
<b>Other names:</b>	CCR5
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	HEK/1/85a
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat - 1/5

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.

<b>Target Species</b>	Human		
<b>Product Form</b>	Purified IgG - lyophilized		
<b>Reconstitution</b>	Reconstitute with 1 ml distilled water		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	RPE 488nm laser	496	578
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative</b>	0.09% sodium azide (NaN <sub>3</sub> )		
<b>Stabilisers</b>	1% bovine serum albumin		
	5% sucrose		

<b>Immunogen</b>	CHO cells transfected with human CCR5
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P51681</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">1234</a>    CCR5    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	CMKBR5
<b>RRID</b>	AB_324163
<b>Fusion Partners</b>	Spleen cells from immunized rats were fused with cell of the rat Y3 myeloma cell line
<b>Specificity</b>	<p><b>Rat anti Human CD195 antibody, clone HEK/1/85a</b> recognizes the human CD195 cell surface antigen, a 45 kDa glycoprotein also known as CCR5.</p> <p>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.</p>
<b>Flow Cytometry</b>	Use 10µl of the suggested working dilution to label 10 <sup>6</sup> cells in 100µl
<b>References</b>	<ol style="list-style-type: none"> <li>Mueller, A. <i>et al.</i> (2002) Pathways for internalization and recycling of the chemokine receptor CCR5. <a href="#">Blood 99 (3): 785-91.</a></li> <li>Ramirez, R. <i>et al.</i> (2006) Microinflammation in hemodialysis is related to a preactivated subset of monocytes. <a href="#">Hemodial Int. 10 Suppl 1:S24-7.</a></li> <li>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. <a href="#">Br J Pharmacol. 156: 497-508.</a></li> <li>Pilch-Cooper, H.A. <i>et al.</i> (2011) Circulating human CD4 and CD8 T cells do not have large intracellular pools of CCR5. <a href="#">Blood 118: 1015-9.</a></li> <li>Bönsch, C. <i>et al.</i> (2015) Potent Anti-HIV Chemokine Analogs Direct Post-Endocytic Sorting of CCR5. <a href="#">PLoS One 10 (4): e0125396.</a></li> <li>Holmannova, D. <i>et al.</i> (2017) Effects of conventional CPB and mini-CPB on neutrophils CD162, CD166 and CD195 expression. <a href="#">Perfusion. 32 (2): 141-50.</a></li> </ol>
<b>Storage</b>	<p>Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.</p> <p>DO NOT FREEZE.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch

**Health And Safety Information**      Material Safety Datasheet documentation #20487 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA2175PE>  
20487

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**Regulatory**                      For research purposes only

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## Related Products

### Recommended Negative Controls

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

### Recommended Useful Reagents

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

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

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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](https://www.bio-rad-antibodies.com/datasheets)

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**Printed on 16 Oct 2023**

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