

Datasheet: MCA2175A647T

Description:	RAT ANTI HUMAN CD195:Alexa Fluor® 647
Specificity:	CD195
Other names:	CCR5
Format:	ALEXA FLUOR® 647
Product Type:	Monoclonal Antibody
Clone:	HEK/1/85a
Isotype:	IgG2a
Quantity:	25 TESTS/0.25ml

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 - 1/10

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 conjugated to Alexa Fluor® 647 - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	Alexa Fluor®647	650	665
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide		
Stabilisers	1% Bovine Serum Albumin		
Approx. Protein Concentrations	IgG concentration 0.05 mg/ml		
Immunogen	CHO cells transfected with human CCR5		
External Database Links	UniProt: P51681 Related reagents		

Entrez Gene:

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

Synonyms	CMKBR5
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Fusion Partners	Spleen cells from immunised rats were fused with cell of the rat Y3 myeloma cell line
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Specificity	<p>Rat anti Human CD195 antibody, clone HEK/1/85a 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>
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Flow Cytometry	Use 10ul of the suggested working dilution to label 100ul fresh whole blood.
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References	<ol style="list-style-type: none">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]
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Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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Shelf Life	18 months from date of despatch.
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Health And Safety Information Material Safety Datasheet documentation available at:
Material Safety Datasheet Documentation #10041 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory For research purposes only

Related Products

Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL:Alexa Fluor® 647 \(MCA6005A647\)](#)

Recommended Useful Reagents

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

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

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