

Datasheet: MCA2175F

BATCH NUMBER 150505

Description:	RAT ANTI HUMAN CD195:FITC
Specificity:	CD195
Other names:	CCR5
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	HEK/1/85a
Isotype:	IgG2a
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	▪			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 Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
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	IgG concentration 0.1 mg/ml		

Concentrations

Immunogen CHO cells transfected with human CCR5

External Database Links

UniProt:

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

Entrez Gene:

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

Synonyms CMKBR5

RRID AB_324066

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.* (2017) Effects of conventional CPB and mini-CPB on neutrophils CD162, CD166 and CD195 expression. [Perfusion. 32 \(2\): 141-50.](#)
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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. This product is photosensitive and should be protected from light.

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
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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA2175F
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Regulatory	For research purposes only
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Related Products

Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL:FITC \(MCA6005F\)](#)

Recommended Useful Reagents

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

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

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M366291:200529'

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