

Datasheet: MCA2175

BATCH NUMBER 1013

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
RRID	AB_324334
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	- Mueller, A. <i>et al.</i> (2002) Pathways for internalization and recycling of the chemokine receptor CCR5. Blood 99 (3): 785-91. - 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. - 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. - 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. - Bönsch, C. <i>et al.</i> (2015) Potent Anti-HIV Chemokine Analogs Direct Post-Endocytic Sorting of CCR5. PLoS One 10 (4): e0125396. - Holmannova, D. <i>et al.</i> (2017) Effects of conventional CPB and mini-CPB on neutrophils CD162, CD166 and CD195 expression. Perfusion. 32 (2): 141-50.
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.

Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA2175
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	DyLight®800
Rabbit Anti Rat IgG (STAR17...)	FITC
Rabbit Anti Rat IgG (STAR21...)	HRP
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight®550 , DyLight®650 , DyLight®800
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin
Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR73...)	RPE
Goat Anti Rat IgG (STAR72...)	HRP

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
'M366288:200529'

Printed on 15 Aug 2025