

Datasheet: MCA2175SBV610

BATCH NUMBER 100008137

Description:	RAT ANTI HUMAN CD195:StarBright Violet 610
Specificity:	CD195
Other names:	CCR5
Format:	StarBright Violet 610
Product Type:	Monoclonal Antibody
Clone:	HEK/1/85a
Isotype:	IgG2a
Quantity:	100 TESTS/0.5ml

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

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.

Target Species	Human		
Product Form	Purified IgG conjugated to StarBright Violet 610 - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	StarBright Violet 610	403	607
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide (NaN ₃)		
Stabilisers	1% Bovine Serum Albumin		
	0.1% Pluronic F68		
	0.1% PEG 3350		

0.05% Tween 20

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 5µl of the suggested working dilution to label 10⁶ cells in 100µl. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.

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. DO NOT FREEZE.
This product should be stored undiluted.

Guarantee 12 months from date of despatch

Acknowledgements This product is covered by U.S. Patent No. 10,150,841 and related U.S. and foreign counterparts

Health And Safety Information Material Safety Datasheet documentation #20471 available at:

Regulatory

For research purposes only

Related Products

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
'M421789:230726'

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