

Datasheet: MCA6127

Description:	MOUSE ANTI HUMAN CD195
Specificity:	CD195
Other names:	CCR5
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	T21/8
Isotype:	IgG1
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	▪			
ELISA	▪			
Immunoprecipitation	▪			
Western Blotting (1)	▪			
Immunocytochemistry	▪			

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.

(1)For this target it is recommended that cell lysates are not boiled prior to SDS-PAGE

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	CCR5 peptide (Met1-Lys22) KLH conjugate
External Database Links	UniProt:

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

Entrez Gene:

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

Synonyms	CMKBR5
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Specificity	<p>Mouse anti Human CD195, clone T21/8 recognizes CD195 also known as C-C chemokine receptor 5 (CCR5) which belongs to the GPCR protein family and plays a role in inflammation by targeting cells to sites of inflammation.</p> <p>CD195 is expressed in a range of hematopoietic cells including macrophages, dendritic cells and memory T cells. It is also expressed by non-hematopoietic cells including vascular smooth muscle cells and astrocytes (Barmania &Pepper 2013).</p> <p>During inflammation CD195 expression is upregulated in CD8+ cells, allowing the cells to migrate to sites with CD4+ T cell and dendritic cell interactions (Castellino et al. 2006). An additional well characterized feature of CD195 is its role as an essential co-receptor for macrophage tropic HIV strains, allowing the virus to enter the target cell during initial infection (Dragic et al. 1996).</p> <p>This clone T28/1 has been used in flow cytometry experiments to examine expression levels in CD195 overexpressing PM1 cells. These cells were then used to examine the effect of CD195 expression levels on HIV infections (Monde et al. 2007).</p>
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Purity	>95% by SDS PAGE
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Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted.
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

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