

Datasheet: TZA089GA

BATCH NUMBER 64702101

Description:	MOUSE ANTI HUMAN CD185
Specificity:	CD185
Other names:	CXCR5
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	rB1-10/4F11-35
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	▪			

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 recombinant IgG containing a SpyTag at the C-terminus of the antibody heavy chain – 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 (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen Mammalian cells transfected with full length human CD185

External Database

Links

UniProt:

[P32302](#) [Related reagents](#)

Entrez Gene:

[643](#) CXCR5 [Related reagents](#)

Synonyms

BLR1, MDR15

Specificity

Mouse anti Human CD185 antibody, clone rB1-10/4F11-35, is a recombinant monoclonal antibody that recognizes CD185, also known as CXCR5.

CD185 is a seven transmembrane GPCR belonging to the CXC chemokine receptor family. It is highly expressed in mature circulating B cells, Burkitt lymphoma cells, subpopulations of CD4+ T cells and skin-derived migratory dendritic cells. CD185 binds to B-lymphocyte chemoattractant (CXCR13), leading to multiple cellular events including cell migration, survival, proliferation and modulation of gene expression. CD185 is involved in B-cell migration into B-cell follicles of the spleen and Peyer patches. It is up-regulated on effector and memory T cells after TCR stimulation, whereas IL-2 causes down-regulation. CD185 expression by T_H cells guides their migration toward B cell follicles.

It has been reported that CD185 can be used as a marker to discriminate between different B cell subsets.

Flow Cytometry

Use 10µl of the suggested working dilution to label 10⁶cells in 100µl

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Acknowledgements

This product and/or its use is covered by claims of U.S. patents, and/or pending U.S. and non-U.S. patent applications owned by or under license to Bio-Rad Laboratories, Inc. See bio-rad.com/en-us/trademarks for details.

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/TZA089GA>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@550 , DyLight@650 , DyLight@680 , DyLight@800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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
'M446226:251027'

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