

Datasheet: MCA6223B

Description:	MOUSE ANTI HUMAN CXCL16:Biotin
Specificity:	CXCL16
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	C19-5F9
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
ELISA	▪			1.0 ug/ml

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 - 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) 1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	<i>E. coli</i> derived recombinant human full length CXCL16 (Asn49-Pro137)
External Database Links	UniProt:

[Q9H2A7](#) [Related reagents](#)

Entrez Gene:

[58191](#) CXCL16 [Related reagents](#)

Synonyms	SCYB16, SRPSOX
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Fusion Partners	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
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Specificity	<p>Mouse anti Human CXCL16 antibody, clone C19-5F9, recognizes C-X-C motif Chemokine 16 (CXCL16). Unlike most chemokines, CXCL16 is a membrane bound ligand anchored through transmembrane domains. Although a soluble form of CXCL16 is generated through proteolytic cleavage. Transmembrane CXCL16 is mainly expressed on macrophages, dendritic cells, B cells and various tumor cells. In this form, it acts as an adhesion molecule though the binding of its receptor CXCR6 expressed on other cells including T cells. Transmembrane CXCL16 also binds gram positive and gram negative bacteria, playing a role in innate and adaptive immune responses (Shimaoka et al. 2003).</p> <p>Soluble CXCL16 has chemoattractant activity, and elicits this response through the receptor CXCR6. CXCL16 may also play a role in tumor progression and serve as a biomarker for the evaluation of some tumor type prognoses (Richardson et al. 2015, Shibata et al. 2020, Gooden et al. 2014).</p> <p>The biotinylated Mouse anti Human CXCL16 antibody, clone C19-5F9 (MCA6223B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human CXCL16 antibody, clone B06-3H6 (MCA6222GA) as the capture antibody.</p>
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Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
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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/MCA6223B10041
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Regulatory	For research purposes only
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Related Products

Recommended Useful Reagents

[MOUSE ANTI HUMAN CXCL16 \(MCA6222GA\)](#)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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

'M384104:210513'

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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