

Datasheet: MCA6223B

BATCH NUMBER 100005234

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	0.09% Sodium Azide (NaN ₃)
Stabilisers	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

Fusion Partners

Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0

Specificity

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](#)).

Soluble CXCL16 has chemoattractant activity, and elicits this response through the receptor CXCR6. There is also mounting evidence suggesting an additional role in tumor progression. With a number of studies suggesting CXCL16 as a biomarker for the evaluation of some tumor type prognoses ([Richardsen et al. 2015](#), [Shibata et al. 2020](#), [Gooden et al. 2014](#)).

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.

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. 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 #10041 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA6223B>
10041

Regulatory

For research purposes only

Related Products

Recommended Useful Reagents

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

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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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