

# Datasheet: MCA6222GA

**BATCH NUMBER 100005284**

<b>Description:</b>	MOUSE ANTI HUMAN CXCL16
<b>Specificity:</b>	CXCL16
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	B06-3H6
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	<i>E. coli</i> derived recombinant human full length CXCL16 (Asn49-Pro137)

<div>External Database Links</div>	<div> <div>UniProt:</div> <div> <a href="#">Q9H2A7</a> <a href="#">Related reagents</a> </div> </div> <div> <div>Entrez Gene:</div> <div> <a href="#">58191</a> CXCL16 <a href="#">Related reagents</a> </div> </div>
<div>Synonyms</div>	<div>SCYB16, SRPSOX</div>
<div>Fusion Partners</div>	<div>Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0</div>
<div>Specificity</div>	<div> <p><b>Mouse anti Human CXCL16 antibody, clone B06-3H6</b>, 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 (<a href="#">Shimaoka et al. 2003</a>).</p> <p>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 (<a href="#">Richardson et al. 2015</a>, <a href="#">Shibata et al. 2020</a>, <a href="#">Gooden et al. 2014</a>).</p> <p>The purified Mouse anti Human CXCL16 antibody, clone B06-3H6 (MCA6222GA) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human CXCL16 antibody, clone C19-5F9 (<a href="#">MCA6223B</a>) as the detection antibody.</p> </div>
<div>Storage</div>	<div> <div>Store at +4°C or at -20°C if preferred.</div> <div>Storage in frost-free freezers is not recommended.</div> <div>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.</div> </div>
<div>Guarantee</div>	<div>12 months from date of despatch</div>
<div>Health And Safety Information</div>	<div> <div>Material Safety Datasheet documentation #10040 available at:</div> <div> <a href="https://www.bio-rad-antibodies.com/SDS/MCA6222GA">https://www.bio-rad-antibodies.com/SDS/MCA6222GA</a> 10040 </div> </div>
<div>Regulatory</div>	<div>For research purposes only</div>

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)  
 Goat Anti Mouse IgG (STAR76...) [RPE](#)  
 Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
 Goat Anti Mouse IgG (STAR70...) [FITC](#)  
 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 (STAR9...) [FITC](#)  
 Goat Anti Mouse IgG (STAR77...) [HRP](#)  
 Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

## Recommended Useful Reagents

[MOUSE ANTI HUMAN CXCL16:Biotin \(MCA6223B\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
 'M378803:210304'

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