

## Datasheet: MCA6224GA

**BATCH NUMBER 100005286**

<b>Description:</b>	MOUSE ANTI HUMAN CXCL7
<b>Specificity:</b>	CXCL7
<b>Other names:</b>	Platelet basic protein
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	C11-5G10
<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 CXCL7 (Ala59-Asp128)
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P02775</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">5473</a>    PPBP    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	CTAP3, CXCL7, SCYB7, TGB1, THBGB1
<b>Fusion Partners</b>	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
<b>Specificity</b>	<p><b>Mouse anti Human CXCL7 antibody, clone C11-5G10</b>, recognizes C-X-C motif chemokine 7 (CXCL7), also known as Platelet Basic Protein, a platelet derived growth factor belonging to the C-X-C subfamily of chemokines. Expression of CXCL7 is largely restricted to platelets where it is produced as an inactive precursor. Upon tissue injury or infection, CXCL7 is one of the first chemokines to appear at the focal sites to mediate neutrophil recruitment after it has been modified by a series of cleavage and activation steps. CXCL7 mediates neutrophil recruitment through binding of its receptors CXCR1 or CXCR2.</p> <p>CXCL7 has been noted as playing important roles in tumorigenesis and has been associated with the proliferation and metastasis of a range of tumor types (<a href="#">Brown et al. 2017</a>). As such, there have been a range of studies performed testing the use of serum CXCL7 as a diagnostic biomarker in colorectal cancer, lung cancer and renal cell carcinoma samples (<a href="#">Li et al. 2019</a>, <a href="#">Kinouchi et al. 2017</a>, <a href="#">Du et al. 2018</a>). These studies have suggested that serum CXCL7 may be a sensitive and specific biomarker for the diagnosis of these cancer types.</p> <p>The purified Mouse anti Human CXCL7 antibody, clone C11-5G10 (MCA6224GA) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human CXCL7 antibody, clone C06-4A3 (<a href="#">MCA6225B</a>) as the detection antibody.</p>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA6224GA">https://www.bio-rad-antibodies.com/SDS/MCA6224GA</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>

### ELISA Matched Pair - Detection Antibody

[MOUSE ANTI HUMAN CXCL7:Biotin \(MCA6225B\)](#)

<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)  
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