

## Datasheet: MCA1207

<b>Description:</b>	MOUSE ANTI HUMAN CD93
<b>Specificity:</b>	CD93
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	X-2
<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
Flow Cytometry	▪			10ug/ml
Immunohistology - Frozen	▪			1/100
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - lyophilised
<b>Reconstitution</b>	Reconstitute with 0.5 ml distilled water
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	1% Bovine Serum Albumin 0.01% Thiomersal

<b>Approx. Protein Concentrations</b>	IgG concentration 0.2 mg/ml
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q9NPY3</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">22918</a>    CD93    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	C1QR1, MXRA4
<b>RRID</b>	AB_2076047
<b>Specificity</b>	<p><b>Mouse anti Human CD93 antibody, clone X-2</b> recognizes human Complement component C1q receptor, also known as CD93, C1q/MBL/SPA receptor, C1qR or Complement component 1 q subcomponent receptor 1. CD93 is a 652 amino acid ~126 kDa single pass type 1 transmembrane glycoprotein containing a single <a href="#">C-type lectin</a> domain and multiple <a href="#">EGF-like</a> domains. CD93 is expressed on granulocytes, monocytes and endothelial cells, but is not expressed on tissue macrophages (<a href="#">Nepomuceno and Tenner 1998</a>).</p> <p>Culture of monocytes in the presence of IL-4 and GM-CSF to produce immature dendritic cells express surface CD93 but maturation in the presence of LPS or ionomycin leads to down regulation of the CD93 antigen expression (<a href="#">Steinberger et al. 2002</a>).</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>1. McGreal, E.P. <i>et al.</i> (2002) Human C1qRp is identical with CD93 and the mNI-11 antigen but does not bind C1q. <a href="#">J Immunol. 168 (10): 5222-32.</a></li> <li>2. Steinberger, P. <i>et al.</i> (2002) Identification of human CD93 as the phagocytic C1q receptor (C1qRp) by expression cloning. <a href="#">J Leukoc Biol. 71: 133-40.</a></li> </ol>
<b>Storage</b>	<p>This product is shipped at ambient temperature. Prior to reconstitution store at +4°C. After reconstitution it is recommended to 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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10512 available at: 10512: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10512.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10512.pdf</a>
<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>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight®800</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Rabbit Anti Mouse IgG (STAR9...)	<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>

## Recommended Negative Controls

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

<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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