

## Datasheet: MCA6120

<b>Description:</b>	MOUSE ANTI HUMAN CD148
<b>Specificity:</b>	CD148
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	MEM-CD148/05
<b>Isotype:</b>	IgG2b
<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	■			

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 A from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Human recombinant CD148 (amino acids 1-444)
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q12913</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">5795</a>    PTPRJ    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	DEP1

**Specificity** **Mouse anti Human CD148 antibody, clone MEM-CD148/05** recognizes CD148, a member of the receptor protein tyrosine phosphatase family. CD148 contains an ectodomain composed of multiple fibronectin type III-like repeats, a transmembrane domain and a single catalytic phosphatase domain. CD148 is broadly expressed including in platelets, T cells, B cells, macrophages as well as in some non-hematopoietic cells. CD148 functions as a key regulator of platelet reactivity via its regulation of Src family kinases (SFKs) ([Senis et al. 2009](#)). Deletion of CD148 in mice has been shown to significantly impact platelet reactivity and thrombosis via SFK activity regulation ([Ellison et al. 2010](#)). Clone MEM-CD148/05 has been used in immunofluorescence experiments to examine the co-localization of CD148 with CD45 at the immunological synapses formed between Tim-3<sup>hi</sup>CD8<sup>+</sup> T cells ([Clayton et al. 2014](#)).

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<b>Purity</b>	>95% by SDS PAGE
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<b>Storage</b>	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted.
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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)  
Rabbit Anti Mouse IgG (STAR8...) [DyLight@800](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (STAR76...) [RPE](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@680](#),  
[DyLight@800](#), [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

### Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

<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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Printed on 01 May 2020