

## Datasheet: MCA4755EL

<b>Description:</b>	MOUSE ANTI HUMAN CD205:Low Endotoxin
<b>Specificity:</b>	CD205
<b>Other names:</b>	DEC205
<b>Format:</b>	Low Endotoxin
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	HD30
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.5 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	▪			1/10 - 1/200
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			

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>Species Cross Reactivity</b>	<p>Reacts with: Monkey</p> <p>Does not react with: Mouse</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
<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>	None present
<b>Carrier Free</b>	Yes
<b>Endotoxin Level</b>	<0.01EU/ug
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Purified extracellular domain of human CD205-IgG1 Fc fusion protein.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">O60449</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">4065</a>    LY75    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	CD205, CLEC13B
<b>RRID</b>	AB_2137647
<b>Fusion Partners</b>	Spleen cells from immunised mice were fused with cells of the mouse SP2/0-Ag14 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Human CD205 antibody, clone HD30</b> recognizes human Lymphocyte antigen 75, otherwise known as CD205, DEC205, C-type lectin domain family 13 member B or gp200-MR6. CD205 is a 1695 amino acid ~205 kDa single pass type I transmembrane glycoprotein and member of the macrophage mannose receptor family of C-type lectins, predominantly expressed by human dendritic cells.</p> <p>CD205 is a recycled endocytic receptor involved in directing antigen uptake for processing and presentation by MHC class I. Multiple isoforms of human CD205, generated by alternative splicing have been described. Mouse anti Human CD205 antibody, clone HD30 recognizes the canonical isoform 4, reactivity with other isoforms has not been evaluated but both isoforms 2 and 3 contain most of the immunogen sequence used to generate clone HD30 making reactivity likely. However the antibody is not expected to be reactive with isoforms 1 and 5 which lack the immunogen sequence (<a href="#">UniProt : 060449</a>).</p>
<b>Flow Cytometry</b>	Use 10ul of suggested working dilution $10^6$ cells in 100ul.
<b>Histology Positive Control Tissue</b>	Human or monkey spleen and lymph node.
<b>References</b>	1. Park, C.G. <i>et al.</i> (2012) Generation of anti-human DEC205/CD205 monoclonal antibodies that recognize epitopes conserved in different mammals. <a href="#">J Immunol Methods</a> .

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<b>Storage</b>	Store at -20°C only. 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.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10162 available at: 10162: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf</a>
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
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>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</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@680</a> , <a href="#">DyLight@800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Low Endotoxin \(MCA928EL\)](#)

<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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