

## Datasheet: MCA2519

**BATCH NUMBER 1701**

<b>Description:</b>	MOUSE ANTI HUMAN CD206
<b>Specificity:</b>	CD206
<b>Other names:</b>	MANNOSE RECEPTOR C TYPE 1
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	7-450
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.2 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			▪	
Immunohistology - Frozen	▪			1/50 - 1/500
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>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>	0.09% Sodium Azide (NaN <sub>3</sub> )

<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	Monocyte-derived dendritic cells.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P22897</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">4360</a>    MRC1    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	CLEC13D
<b>RRID</b>	AB_1101344
<b>Fusion Partners</b>	Spleen cells from immunised Balb/c mice were fused with cells of the X63-Ag8.653 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Human CD206 antibody, clone 7-450</b> recognizes human CD206, otherwise known as macrophage mannose receptor (MMR), a transmembrane protein and member of the multilectin family of pattern recognition receptors (PRRs), which mediates phagocytosis and endocytosis, and is modulated by a range of factors including cytokines, immunoglobulin receptors and pathogens.</p> <p>CD206 has two extracellular lectin binding sites: the cysteine-rich domain binds to sulphated sugars of glycoproteins such as thyroid stimulating hormone, whilst the recognition of mannose and fucose occurs through carbohydrate recognition domains (CRDs). The widespread distribution and recognition of a wide range of antigens by macrophages, plays a key role in both innate and adaptive immunity, with CD206 able to bind to both gram-negative and gram-positive bacteria, mycobacterium, yeasts, fungi and parasites. The expression of CD206 is not restricted to macrophages, but is also present on immature dendritic cells (DCs), endothelial cells, kidney mesangial cells, retinal pigment epithelium and tracheal smooth muscle cells.</p>
<b>Histology Positive Control Tissue</b>	Human tonsil.
<b>Further Reading</b>	<ol style="list-style-type: none"> <li>1. Stahl, P.D. &amp; Ezekowitz, R.A. (1998) The mannose receptor is a pattern recognition receptor involved in host defense. <a href="#">Curr Opin Immunol. 10 (1): 50-5.</a></li> <li>2. Gordon, S. (1995) The macrophage. <a href="#">Bioessays. 17 (11): 977-86.</a></li> </ol>
<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/MCA2519">https://www.bio-rad-antibodies.com/SDS/MCA2519</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 (STAR70...)	<a href="#">FITC</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 (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 (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</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://www.bio-rad-antibodies.com/datasheets)

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