

Datasheet: MCA2519GA

Description:	MOUSE ANTI HUMAN CD206
Specificity:	CD206
Other names:	MANNOSE RECEPTOR C TYPE 1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	7-450
Isotype:	IgG2a
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			1/50 - 1/500
Immunohistology - Paraffin			▪	
Immunohistology - Resin			▪	
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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Monocyte-derived dendritic cells.
External Database Links	<p>UniProt: P22897 MRC1_HUMAN Related reagents</p> <p>Entrez Gene: 4360 MRC1 Related reagents</p>
Synonyms	CLEC13D

Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the X63-Ag8.653 myeloma cell line.
Specificity	<p>MCA2519GA is specific for 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>
Histology Positive Control Tissue	Human tonsil.
References	<ol style="list-style-type: none"> 1. Stahl, P.D. and Ezekowitz, R.A.B. (1998) The mannose receptor is a pattern recognition receptor involved in host defense. Curr. Opin. Immunol. 10: 50-55. 2. Taylor, M.E. <i>et al.</i> (1992) Contribution to ligand binding by multiple carbohydrate-recognition domains in the macrophage mannose receptor*. J. Biol. Chem. 267: 1719-1726.
Storage	<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.</p> <p>Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Shelf Life	18 months from date of despatch.
Health And Safety Information	<p>Material Safety Datasheet Documentation #10040 available at: http://www.abdserotec.com/uploads/MSDS/10040.pdf</p>

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
HuCAL Anti Mouse IgG2a (HCA037...)	FITC , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@549 , DyLight@649 , DyLight@800 , FITC , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Sheep Anti Mouse IgG (H/L) (AAC10...)	Biotin , FITC
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000A\)](#)

[HISTAR DETECTION SYSTEM \(STAR3000B\)](#)

For research purposes only, unless otherwise specified in writing by AbD Serotec.

'M186787:110225'



AbD Serotec offices contact details [click here](#)

Address:

MorphoSys UK Ltd, Endeavour House, Langford
Business Park, Langford Lane, Kidlington,
Oxford, OX5 1GE, UK

Tel: +44 (0)1865 852700

Email: tech.uk@abdserotec.com

Web: www.abdserotec.com

Printed on 09 Nov 2011