

Datasheet: MCA2155T

Description:	MOUSE ANTI HUMAN CD206
Specificity:	CD206
Other names:	MANNOSE RECEPTOR C TYPE 1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	15-2
Isotype:	IgG1
Quantity:	25 µg

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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting (1)	▪			
Immunofluorescence	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1)**Clone 15-2 recognises a protein of approximately 175kDa under non-reducing conditions.**

Target Species	Human
Product Form	Purified IgG - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Purified human mannose receptor.
External Database Links	UniProt: P22897 Related reagents

Entrez Gene:[4360](#) MRC1 [Related reagents](#)**Synonyms**

CLEC13D

Fusion Partners

Spleen cells from immunised Balb/c mice where fused with cells of the SP2/0 Ag.14 mouse myeloma cell line.

Specificity

Mouse anti Human CD206 monoclonal antibody, clone 15-2 recognizes human macrophage mannose receptor 1, also known as CD206 or C-type lectin domain family 13 member D-like. CD206 is a ~175 kDa single pass type I transmembrane glycoprotein belonging to the group of pattern recognition receptors ([Paveley et al. 2011](#)). CD206 has multiple carbohydrate recognition motifs and acts as a receptor for bacteria, fungi and other pathogens ([Ezekowitz et al. 1990](#)). CD206 is predominantly expressed in tissue macrophages and dendritic cells ([Engering et al. 1997](#)) and can also be found in a subpopulation of endothelial cells ([Pack et al. 2007](#)) and sperm cells ([Cardona-Maya et al. 2006](#)). CD206 can also be detected in a soluble form in human plasma and is elevated in patients with acute sepsis ([Rødgaard-Hansen et al. 2013](#)).

Mouse anti CD206, clone 15-2 has been used extensively to monitor mannose receptor modulation in macrophages treated with a wide range of cytokines and growth factors ([Chang et al. 2004](#)) and to indicate CD206 as a marker for alternative activation of macrophages ([Joerink et al. 2011](#)).

Flow Cytometry

Use 10ul of the suggested working dilution to label 10⁶ cells in 100ul.

References

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- phosphatidyl-myo-inositol mannosides from *Mycobacterium tuberculosis* by C-type lectin pattern recognition receptors. [J Immunol. 177 \(3\): 1805-16.](#)
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16. Yamane, K. & Leung, K.P. (2016) Rabbit M1 and M2 macrophages can be induced by human recombinant GM-CSF and M-CSF. [FEBS Open Bio. 6 \(9\): 945-53.](#)
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Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

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'M318516:180718'

Printed on 01 Aug 2018

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