

Datasheet: MCA2155T

BATCH NUMBER 173105

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 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.

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

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Antibody purified from tissue culture supernatant
Buffer Solution	Phosphate buffered saline

Preservative Stabilisers	< 0.1% sodium azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Purified human mannose receptor.
External Database Links	<p>UniProt: P22897 Related reagents</p> <p>Entrez Gene: 4360 MRC1 Related reagents</p>
Synonyms	CLEC13D
RRID	AB_2144910
Fusion Partners	Spleen cells from immunised Balb/c mice where fused with cells of the SP2/0 Ag.14 mouse myeloma cell line.
Specificity	<p>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).</p> <p>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).</p>
Flow Cytometry	Use 10µl of the suggested working dilution to label 10 ⁶ cells in 100µl
References	<ol style="list-style-type: none"> 1. Koning, N. <i>et al.</i> (2009) Distribution of the immune inhibitory molecules CD200 and CD200R in the normal central nervous system and multiple sclerosis lesions suggests neuron-glia and glia-glia interactions. J Neuropathol Exp Neurol. 68: 159-67. 2. Emara, M. <i>et al.</i> (2011) Recognition of the major cat allergen Fel d 1 through the cysteine-rich domain of the mannose receptor determines its allergenicity. J Biol Chem. 286:13033-40. 3. Chang, S.K. <i>et al.</i> (2008) B lymphocyte stimulator regulates adaptive immune responses by directly promoting dendritic cell maturation. J Immunol. 180: 7394-403. 4. MacKinnon, A.C. <i>et al.</i> (2008) Regulation of alternative macrophage activation by

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Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Health And Safety

Material Safety Datasheet documentation #10040 available at:

Information <https://www.bio-rad-antibodies.com/SDS/MCA2155T>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M415496:230105'

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