

Datasheet: MCA2155 BATCH NUMBER 159745

Description:	MOUSE ANTI HUMAN CD206
Specificity:	CD206
Other names:	MANNOSE RECEPTOR C TYPE 1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	15-2
Isotype:	lgG1
Quantity:	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 <u>www.bio-rad-antibodies.com/protocols</u>.

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		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	r use in a particular teo	chnique this does not
	necessarily exclude its us	se in sucl	n procedu	res. It is recommende	d that the user titrates
	the antibody for use in the		•		
	•		•	• • • •	•
	(1)Clone 15-2 recognise conditions.	es a prote	ein of ap	proximately 175kDa t	inder non-reducing
Farget Species	Human				
Product Form	Purified IgG - liquid				

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	UniProt: P22897 Related reagents Entrez Gene: 4360 MRC1 Related reagents
Synonyms	CLEC13D
RRID	AB_323520
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 <i>et al.</i> 2011). CD206 has multiple carbohydrate recognition motifs and acts as a receptor for bacteria, fungi and other pathogens (Ezekowitz <i>et al.</i> 1990). CD206 is predominantly expressed in tissue macrophages and dendritic cells (Engering <i>et al.</i> 1997) and can also be found in a subpopulation of endothelial cells (Pack <i>et al.</i> 2007) and sperm cells (Cardona-Maya <i>et al.</i> 2006). CD206 can also be detected in a soluble form in human plasma and is elevated in patients with acute sepsis (Rødgaard-Hansen <i>et al.</i> 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 <i>et al.</i> 2004) and to indicate CD206 as a marker for alternative activation of macrophages (Joerink <i>et al.</i> 2011).
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	 Barrett-Bergshoeff, M. <i>et al.</i> (1997) Monoclonal antibodies against the human mannose receptor that inhibit the binding of tissue-type plasminogen activator. <u>Thromb Haemost.</u> <u>77: 718-24.</u> 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. <u>J Neuropathol Exp Neurol. 68: 159-67.</u> 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. <u>J Biol Chem.</u> <u>286:13033-40.</u> Chang, S.K. <i>et al.</i> (2008) B lymphocyte stimulator regulates adaptive immune responses by directly promoting dendritic cell maturation. <u>J Immunol. 180: 7394-403.</u>

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StorageThis 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/MCA2155		
	10040		

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87) <u>HRP</u>
Goat Anti Mouse IgG (STAR76)	RPE
Rabbit Anti Mouse IgG (STAR13)	HRP
Goat Anti Mouse IgG (STAR70)	<u>FITC</u>
Goat Anti Mouse IgG (H/L) (STAR117)	Alk. Phos., DyLight®488, DyLight®550,
	DyLight®650, DyLight®680, DyLight®800,
	DyLight®650, DyLight®680, DyLight®800, FITC, HRP
Rabbit Anti Mouse IgG (STAR9)	
Rabbit Anti Mouse IgG (STAR9) Goat Anti Mouse IgG (STAR77)	FITC, HRP
o ()	FITC, HRP FITC
Goat Anti Mouse IgG (STAR77)	FITC, HRP FITC HRP

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

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	Email: antibody_sales_us@bio-ra	d.com	Email: antibody_sales_uk@bio-ra	ad.com	Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M389387:210806'

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