

Datasheet: MCA5552Z

**BATCH NUMBER 160637**

<b>Description:</b>	MOUSE ANTI HUMAN CD206:Preservative Free
<b>Specificity:</b>	CD206
<b>Other names:</b>	MANNOSE RECEPTOR C TYPE 1
<b>Format:</b>	Preservative Free
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	5C11
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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. 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
Immunohistology - Paraffin	▪			0.1 - 10 ug/ml

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
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	Ig concentration 0.5 mg/ml
<b>Immunogen</b>	Recombinant protein corresponding to aa 22-131 of human CD206.

**External Database  
Links**

**UniProt:**

[P22897](#)   [Related reagents](#)

**Entrez Gene:**

[4360](#)   MRC1   [Related reagents](#)

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**Synonyms**

CLEC13D

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**RRID**

AB\_2144908

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**Fusion Partners**

Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.

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**Specificity**

**Mouse anti Human CD206 antibody, clone 5C11** recognizes human macrophage mannose receptor 1, also known as CD206, C-type lectin domain family 13 member D, C-type lectin domain family 13 member D-like, Human mannose receptor, hMR or Macrophage mannose receptor 1-like protein 1. CD206 is a 1438 amino acid ~168-180 kDa single pass type 1 transmembrane glycoprotein and mediator of glycoprotein endocytosis by macrophages. CD206 also acts as a phagocytic receptor for pathogens including bacteria and fungi and acts as a receptor for dengue virus ([Miller et al. 2008](#)).

Two isoforms of CD206 produced by alternative splicing have been described. Both isoforms contain the unaltered immunogen sequence used to generate clone 5C11 which is expected therefore to bind both the canonical isoform 1 and the truncated isoform 2 ([UniProt : P22897](#)).

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**References**

1. Komohara, Y. *et al.* (2016) Contribution of Macrophage Polarization to Metabolic Diseases. [J Atheroscler Thromb. 23 \(1\): 10-7.](#)
2. Zúñiga-Castillo, M. *et al.* (2018) High density of M2-macrophages in acral lentiginous melanoma compared to superficial spreading melanoma. [Histopathology. 72 \(7\): 1189-1198.](#)

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**Storage**

Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
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.

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**Guarantee**

12 months from date of despatch

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10162 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA5552Z>  
10162

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**Regulatory**

For research purposes only

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## 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 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 (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</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 (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://bio-rad-antibodies.com/datasheets)

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