

## Mannose Receptor / CD206 (Marker of M2 Macrophages) Antibody

Mouse Monoclonal Antibody [Clone MRC1/9454]

Catalog No	Format	Size
4360-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4360-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4360-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

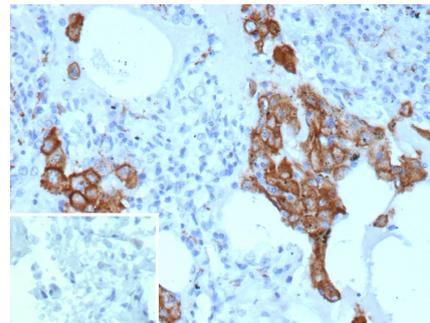
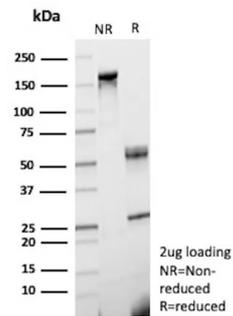
Applications	Tested Dillution	Note
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### Product Details

<b>Clone</b>	MRC1/9454
<b>Gene Name</b>	MRC1
<b>Immunogen</b>	Recombinant fragment (around aa 1-200) of human MRC1 protein (exact sequence is proprietary)
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2b / Kappa
<b>Mol. Weight of Antigen</b>	~170kDa
<b>Cellular Localization</b>	Cell membrane, Endosome, Membrane
<b>Species Reactivity</b>	Human

\*Optimal dilution for a specific application should be determined.

### Product Images for Mannose Receptor / CD206 (Marker of M2 Macrophages) Antibody



SDS-PAGE Analysis of Purified Mannose Receptor Mouse Monoclonal Antibody (MRC1/9454). Confirmation of Purity and Integrity of Antibody.

Formalin-fixed, paraffin-embedded human lung stained with Mannose Receptor Mouse Monoclonal Antibody (MRC1/9454). Inset: PBS instead of primary antibody; secondary only negative control.

### **Specificity & Comments**

CD206, also known as macrophage mannose receptor type C (MMR or MRC1), is a type I membrane receptor protein. It is an phagocytic and endocytic receptor that can recognize carbohydrate ligands in target molecules. The extracellular portion of the protein includes eight C-type carbohydrate recognition domains (CRD) which are clustered together to achieve higher affinity binding to saccharides. CD206 is found on macrophages and on endothelial cells of the liver and is the only known example of a C-type lectin that contains multiple C-type CRDs. CD206 mediates the endocytosis of glycoproteins by macrophages and binds high-mannose structures on the surface of potentially pathogenic viruses, fungi and bacteria enabling them to be neutralized by phagocytic engulfment. During inflammation, CD206 is crucial for rapid clearance of several mannose-bearing serum glycoproteins but does not regulate the initiation of inflammation. CD206 is primarily expressed in mature tissue macrophages and immature dendritic cells, as well as hepatic and lymphatic endothelial cells, retinal pigmental epithelium (RPE) and mesangial cells.

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### **Limitations and Warranty**

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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### **Supplied As**

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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### **Storage and Stability**

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

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### **Research Areas**

Immunology

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