Mannose Receptor / CD206 Antibody

Mouse Monoclonal Antibody [Clone MRC1/9454]

Catalog No	Format	Size
4360-MSM7-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug
4360-MSM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4360-MSM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug

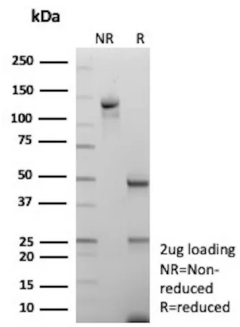
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

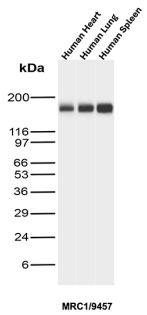
Clone	MRC1/9454
Gene Name	MRC1
Immunogen	Recombinant fragment (around aa1100-1400) of human MRC1 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	160-170kDa
Cellular Localization	Cytoplasm
Species Reactivity	Human
Positive Control	heart, lung, spleen.

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

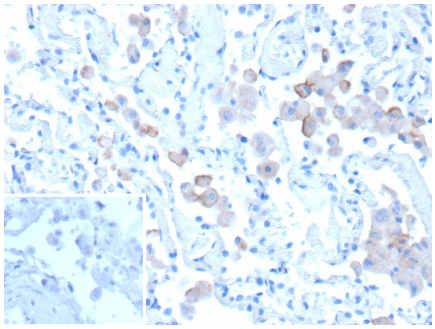
Product Images for Mannose Receptor / CD206 Antibody



SDS-PAGE Analysis of Purified CD206 Mouse Monoclonal Antibody (MRC1/9457). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of human heart, human lung and human spleen lysates using MRC1 Mouse Monoclonal Antibody (MRC1/9457).



Formalin-fixed, paraffin-embedded human lung stained with CD206 MouseMonoclonal Antibody (MRC1/9457). 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.

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.

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.

Research Areas

Immunology

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.