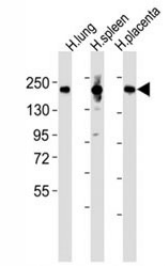
MRC1L1 Antibody / MRC1 / Macrophage mannose receptor 1 (F40105)

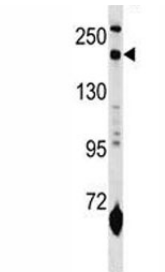
Catalog No.	Formulation	Size
F40105-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40105-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P22897
Applications	Western Blot : 1:1000
Limitations	This MRC1L1 antibody is available for research use only.



MRC1L1 Antibody WB. Western blot testing of MRC1L1 antibody at 1:2000 dilution and human samples: Lane 1: lung lysate; 2: spleen lysate; 3: placenta lysate; Predicted band size : 166 kDa.



MRC1L1 antibody western blot analysis in mouse lung tissue lysate

Description

MRC1L1 Antibody / MRC1 / Macrophage Mannose Receptor 1 recognizes MRC1L1, a member of the mannose receptor family of C-type lectin receptors involved in carbohydrate recognition, receptor-mediated endocytosis, and innate immune defense. MRC1L1 shares structural and functional similarities with MRC1 (Macrophage Mannose Receptor 1), including the ability to recognize glycosylated ligands containing mannose, fucose, and N-acetylglucosamine residues. Through these interactions, MRC1L1 participates in the binding, internalization, and processing of extracellular molecules that contribute to immune surveillance and tissue homeostasis.

MRC1L1 Antibody / MRC1 / Macrophage Mannose Receptor 1 is valuable for studying pattern-recognition receptor biology and the mechanisms by which cells interact with glycosylated proteins, pathogens, and extracellular debris. Members of the mannose receptor family function as important components of the innate immune system by facilitating ligand uptake and trafficking through endocytic pathways. These activities contribute to antigen processing, cellular scavenging, and communication between innate and adaptive immune responses. As a result, MRC1L1 has become an important target for investigations involving host defense and receptor-mediated uptake pathways.

MRC1L1 Antibody / MRC1 / Macrophage Mannose Receptor 1 is also useful for examining macrophage-associated functions and tissue-specific immune regulation. Mannose receptor family proteins are frequently expressed by specialized immune cell populations involved in antigen presentation, clearance of extracellular material, and maintenance of tissue integrity. Expression of MRC1-related proteins has been associated with inflammatory responses, tissue remodeling, wound repair, and regulation of cellular interactions within the extracellular environment. These properties make MRC1L1 a valuable marker for studies of immune cell biology and inflammatory signaling pathways.

MRC1L1 Antibody / MRC1 / Macrophage Mannose Receptor 1 supports research involving innate immunity, lectin receptor biology, endocytosis, and carbohydrate recognition mechanisms. Because mannose receptor family members occupy important positions at the interface between pathogen recognition and cellular response pathways, they continue to attract significant interest in immunology, infectious disease, inflammation, and translational research. Investigation of MRC1L1 expression and function can provide insights into receptor-mediated immune regulation and the molecular processes that govern host-environment interactions.

MRC1L1 Antibody / MRC1 / Macrophage Mannose Receptor 1 is suitable for studies focused on immune surveillance, antigen uptake, receptor trafficking, and tissue-specific cellular responses. Continued research into MRC1L1 and related mannose receptor family proteins is expanding our understanding of how carbohydrate recognition receptors contribute to normal physiology and disease-associated immune processes.

Researchers studying macrophage biology, antigen uptake, and innate immune regulation may also be interested in our CD206 Antibody / Macrophage Mannose Receptor Antibody.

Application Notes

Titration of the MRC1L1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 359-388 from the human protein was used as the immunogen for this MRC1L1 antibody.

Storage

Aliquot the MRC1L1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.