

Anti Human Mannose receptor Monoclonal antibody MR 15-2-2

Antibody specifications

Immunogen	Purified mannose receptor from human placenta.
Isotype	IgG1. κ subclass
Species reactivity	Reacts with human mannose receptor, no other species were tested.
Intended use	Western blotting (2), flow cytometry (3,4,8), immunohistochemistry (2,3,5,6), inhibition of the interaction between the mannose receptor and mannose-containing ligands such as tissue-type plasminogen activator (2,7).
Formulation	Each vial contains 100 microgram mAb MR 15-2-2 in PBS containing 0.1% w/v BSA. Bulk delivery in other formulations on request.
Clone nr	MR15-2-2
Product nr	QZBMR15-2

Mannose Receptor background

Macrophage mannose receptor (MMR) or CD206 is an endocytic and phagocytic receptor that recognizes appropriately configured carbohydrate ligands in target molecules.

CD206 is expressed mainly in mature tissue macrophages and immature dendritic cells, and is thought to play a role in both the innate and adaptive immune responses of the host. The expression of CD206 is affected, among other factors, by pathogens, cytokines and immunoglobulin receptors. While the protein sequence information predicts CD206 to weigh around 166kDa, the cleavage of the signal peptide gives rise to an immature 154kDa protein before undergoing N- and O-linked glycosylation to result in a 162kDa mature molecule in macrophages. Secreted forms resulting from the proteolytic cleavage of the extracellular domain have also been observed. The binding to mannose is calcium dependent.

References:

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