

Product datasheet for **DDX0381P-100**

Mannose Receptor (MRC1) (Extracell. Dom.) Mouse Monoclonal Antibody [Clone ID: 118F2.02]

Product data:

Product Type:	Primary Antibodies
Clone Name:	118F2.02
Applications:	FC, FN, IHC, IP, NEUT, WB
Recommend Dilution:	DDX0381P-50 / DDX0381P-100 purified: Surface Flow Cytometry, WB, IHC, IP, internalization, inhibition of antibody binding by mannan, dextran-FITC uptake.
Reactivity:	Human, Sheep
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human CD34+ (GM+TNF)-derived DC.
Specificity:	Human mannose receptor (extracellular part).- Species cross-reactivity: Sheep.
Formulation:	Purified: 100 µg in 200 µl Tris-NaCl pH 8. Coupled: 100 µg in 200 µl PBS 50% glycerol. State: Purified
Concentration:	0.5 mg/ml
Gene Name:	mannose receptor, C type 1
Database Link:	Entrez Gene 4360 Human



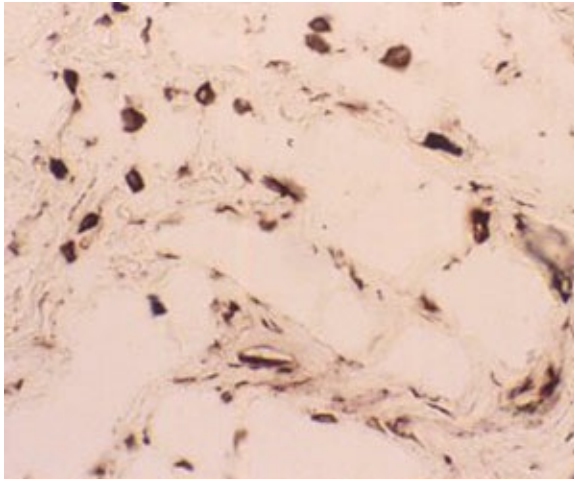
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Background:

The mannose receptor (MR) /CD206 is a 175 kDa C-type lectin of type I membrane molecule, with 8 carbohydrate recognition domains (CRD) belonging to the pattern recognition receptors. It is an endocytic receptor of macrophages and endothelial cell subsets whose natural ligands include both self glycoproteins and microbial glycans. CD206 is predominantly expressed in tissue macrophages, myeloid dendritic cells, liver, skin, lymphoid organ and tumor. In humans, the MMR has been detected in cells located within the dermis, lamina propria, and T cell areas of the tonsil, in inflammatory epidermal DCs of atopic dermatitis patients, and in cells lining venous sinuses in the spleen. CD206 is also expressed by human monocyte-derived DCs. mAb 118F2.02 was obtained after mice immunization with human dendritic cells. It recognizes large proteins (160- 200kDa), and its binding to in vitro-generated DC is inhibited by cell preincubation with mannan, suggesting that 118F2.02 is directed against the macrophage mannose receptor. The uptake of mannosylated proteins (expressed on bacteria and fungi) is important for the biologic function of DC. (*Sallusto F. et al., 1995, J. Exp. Med., 182, 389-40; Wollenberg A. et al. J Invest Dermatol, 2002, 119, 5, 1096-102*)

Synonyms:

Macrophage mannose receptor, CLEC13D, CLEC13DL, MRC1L1

Product images:

IHC staining of human lung frozen section with clone 118F2 (DX0381)