

Anti-Mannose Receptor(CD206) Antibody [PSH07-76]

Cat: YK151668

Product Type: Recombinant Rabbit monoclonal IgG, primary antibodies

Species reactivity: Mouse, Rat

Applications: WB, IHC-P, IF-Tissue, IHC-Fr, IF-Cell, IP, mIHC

Molecular Wt: Predicted band size: 165 kDa

Clone number: PSH07-76

Description:

The mannose receptor (Cluster of Differentiation 206, CD206) is a C-type lectin primarily present on the surface of macrophages, immature dendritic cells and liver sinusoidal endothelial cells, but is also expressed on the surface of skin cells such as human dermal fibroblasts and keratinocytes. It is the first member of a family of endocytic receptors that includes Endo180 (CD280), M-type PLA2R, and DEC-205 (CD205). The receptor recognises terminal mannose, N-acetylglucosamine and fucose residues on glycans attached to proteins found on the surface of some microorganisms, playing a role in both the innate and adaptive immune systems. Additional functions include clearance of glycoproteins from circulation, including sulphated glycoprotein hormones and glycoproteins released in response to pathological events. The mannose receptor recycles continuously between the plasma membrane and endosomal compartments in a clathrin-dependent manner.

Immunogen: Recombinant protein within mouse Mannose Receptor(CD206) aa 1-1,409.

Positive control: RAW264.7 treated with 20ng/mL mL-4 and 10ng/mL mL-13 for 24 hours cell lysate, Mouse lung tissue lysate, Mouse spleen tissue lysate, Rat brain tissue lysate, Rat lung tissue lysate, Rat liver tissue lysate, mouse spleen tissue, mouse liver tissue, rat liver tissue, mouse osteosarcoma tissue.

Subcellular location: Endosome membrane, Cell membrane.

Database links: SwissProt: Q61830 Mouse
Entrez Gene: 291327 Rat

Recommended Dilutions:

WB: 1:1000-1:2000; IHC-P 1: 1000; IF-Tissue: 1:500; IHC-Fr: 1: 500-1:1000; IF-cell: 1:50; IP: 1-2µg/sample; mIHC: 1:2000;

Storage Buffer: PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

Purity: Protein A affinity purified.