

Anti-Mannose Receptor(CD206) Antibody

IRS049



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Mouse
Applications:	mIHC
Molecular Wt:	Predicted band size: 165 kDa

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: Mouse liver tissue, mouse osteosarcoma tissue, mouse spleen tissue.

Subcellular location: Endosome membrane, Cell membrane.

Database links: SwissProt: Q61830 Mouse

Recommended Dilutions:
mIHC 1:100

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

Storage Instruction: Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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Images

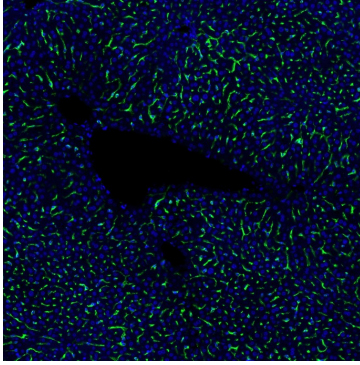


Fig1: mIHC analysis of mouse liver tissue (Formalin/PFA-fixed paraffin-embedded sections) with Rabbit anti-Mannose Receptor(CD206) antibody (IRS049) at 1/100 dilution. The immunostaining was performed with the IRISKit® HyperView mTSA Kit (MH900206). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins at 95°C. DAPI (blue) was used as a nuclear counter stain. Image acquisition was performed with Olympus VS200 Slide Scanner.

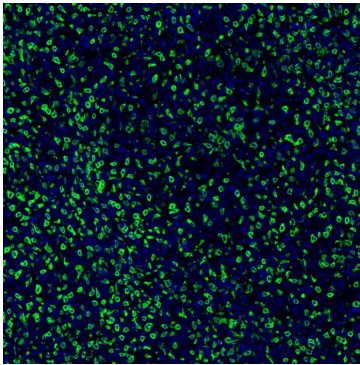


Fig2: mIHC analysis of mouse osteosarcoma tissue (Formalin/PFA-fixed paraffin-embedded sections) with Rabbit anti-Mannose Receptor(CD206) antibody (IRS049) at 1/100 dilution. The immunostaining was performed with the IRISKit® HyperView mTSA Kit (MH900206). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins at 95°C. DAPI (blue) was used as a nuclear counter stain. Image acquisition was performed with Olympus VS200 Slide Scanner.

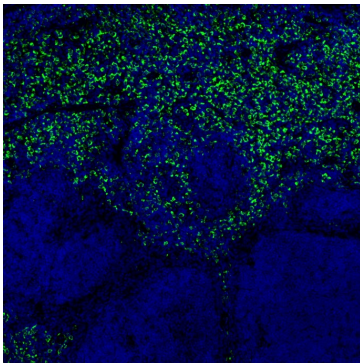


Fig3: mIHC analysis of mouse spleen tissue (Formalin/PFA-fixed paraffin-embedded sections) with Rabbit anti-Mannose Receptor(CD206) antibody (IRS049) at 1/100 dilution. The immunostaining was performed with the IRISKit® HyperView mTSA Kit (MH900206). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins at 95°C. DAPI (blue) was used as a nuclear counter stain. Image acquisition was performed with Olympus VS200 Slide Scanner.

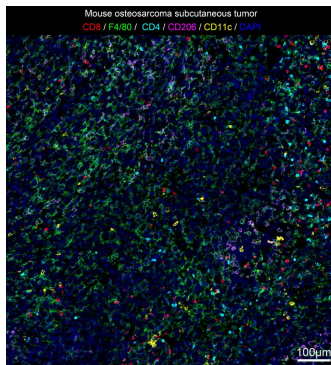


Fig4: mIHC analysis of mouse osteosarcoma subcutaneous tumor tissue (Formalin/PFA-fixed paraffin-embedded sections) with CD8, F4/80 (IRS052), CD4 (IRS051), CD206 (IRS049) and CD11c antibody at 1/100 dilution. The immunostaining was performed with the IRISKit® HyperView mTSA Kit (MH900206). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins at 95°C. DAPI (blue) was used as a nuclear counter stain. Image acquisition was performed with Olympus VS200 Slide Scanner.

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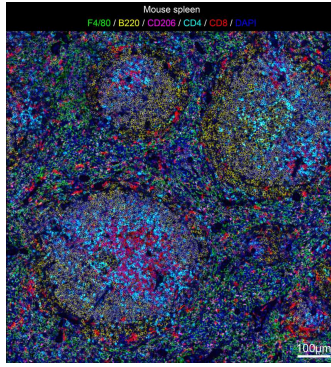


Fig5: mIHC analysis of mouse spleen tissue (Formalin/PFA-fixed paraffin-embedded sections) with F4/80 (IRS052), B220, CD206 (IRS049), CD4 (IRS051) and CD8 antibody at 1/100 dilution. The immunostaining was performed with the IRISKit® HyperView mTSA Kit (MH900206). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins at 95°C. DAPI (blue) was used as a nuclear counter stain. Image acquisition was performed with Olympus VS200 Slide Scanner.

Note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.

Background References

1. Nielsen MC et al. Macrophage Activation Markers, CD163 and CD206, in Acute-on-Chronic Liver Failure. *Cells*. 2020 May
2. Nawaz A et al. Depletion of CD206(+) M2-like macrophages induces fibro-adipogenic progenitors activation and muscle regeneration. *Nat Commun*. 2022 Nov

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