

# Anti-Mannose Receptor Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

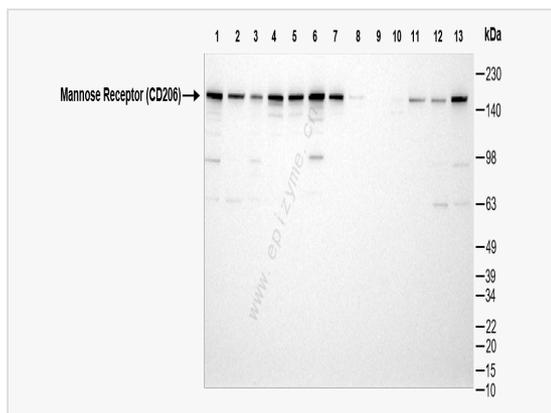
Catalog # R015133

## Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	14U64U49
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human MRC1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Mannose Receptor Rabbit mAb [14U64U49] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Synonyms	bA541I19.1; C type lectin domain family 13 member D; C-type lectin domain family 13 member D; CD 206; CD206; CD206 antigen; CLEC13D; CLEC13DL; Macrophage mannose receptor 1; Macrophage mannose receptor 1 like protein 1; Macrophage mannose receptor; Mannose receptor C type 1; Mannose receptor C type 1 like 1; MMR; MRC 1; MRC1; MRC1_HUMAN; MRC1L1; OTTHUMP00000045206.
Calculated MW	Calculated MW: 166 kDa; Observed MW: 166 kDa
Uniprot ID	P22897
Gene ID	4360
Background	The recognition of complex carbohydrate structures on glycoproteins is an important part of several biological processes, including cell-cell recognition, serum glycoprotein turnover, and neutralization of pathogens. The protein encoded by this gene is a type I membrane receptor that mediates the endocytosis of glycoproteins by macrophages. The protein has been shown to bind high-mannose structures on the surface of potentially pathogenic viruses, bacteria, and fungi so that they can be neutralized by phagocytic engulfment.[provided by RefSeq, Sep 2015]
Cellular Location	Membrane.



Western Blot - Anti-Mannose Receptor Rabbit mAb [14U64U49]

All lanes: R015133 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 5: Caco2 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates

Lane 6: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates

Lane 7: 293T (Human embryonic kidney cell) whole cell lysates

Lane 8: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates

Lane 9: Mouse heart whole tissue lysates

Lane 10: Mouse brain whole tissue lysates

Lane 11: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 12: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 13: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

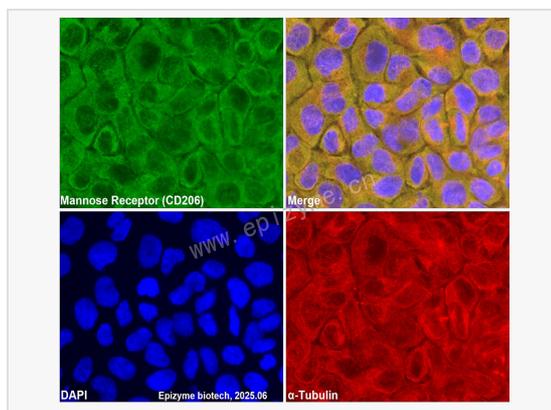
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 166 kDa

Observed band size: 166 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Mannose Receptor Rabbit mAb [14U64U49]

Sample: A431 cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R015133 at 1:100 dilution and  $\alpha$ -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).