

## 12981

## **Mannose Receptor Antibody**



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## For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 190	Source/Isotype: Rabbit	UniProt ID: #P22897	Entrez-Gene Id: 4360
Product Usage Information		<b>Application</b> Western Blotting			<b>Dilution</b> 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Mannose Receptor Antibody recognizes endogenous levels of total mannose receptor protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu115 of human mannose receptor protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		endocytic receptor ex endothelium (1). The three types of extrace apparent signaling m which binds sulfated which bind carbohydr the plasma membran	pressed by populat mannose receptor ellular domains and otif (2-4). The extra- glycans, an FNII do rates containing ma e and early endoso	206/MMR/MRC1/Macropions of dendritic cells, mis a heavily glycosylated a short carboxy-termina cellular portion of the primain, which binds collaganose, fucose, or GlcNAmes (8). Functions included	nacrophages, and n type I transmembr al cytoplasmic dom- otein is made up of lens, and eight C-ty cc (4-7). The recepto de a role in antigen	onvascular ane protein with ain with no a CR domain, pe lectin domains, r recycles between cross-presentation,
Background References		<ol> <li>Martinez-Pomares, L. (2012) J Leukoc Biol 92, 1177-86.</li> <li>Lennartz, M.R. et al. (1986) Proc Natl Acad Sci U S A 83, 2501-5.</li> <li>Taylor, M.E. et al. (1990) J Biol Chem 265, 12156-62.</li> <li>Fiete, D.J. et al. (1998) Proc Natl Acad Sci U S A 95, 2089-93.</li> <li>Napper, C.E. et al. (2006) Biochem J 395, 579-86.</li> <li>Fiete, D. et al. (1997) Proc Natl Acad Sci U S A 94, 11256-61.</li> <li>Tietze, C. et al. (1982) J Cell Biol 92, 417-24.</li> <li>Burgdorf, S. et al. (2006) J Immunol 176, 6770-6.</li> <li>Lee, S.J. et al. (2002) Science 295, 1898-901.</li> <li>Milone, M.C. and Fitzgerald-Bocarsly, P. (1998) J Immunol 161, 2391-9.</li> <li>Marttila-Ichihara, F. et al. (2008) Blood 112, 64-72.</li> </ol>				
Species Reactivi	itv	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).

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**Western Blot Buffer** 

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key W: Western Blotting

Cross-Reactivity Key H: Human

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