

Active Recombinant Mouse Mrc1

Cat. No. Mrc1-12M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mrc1(Leu19-Ala1388), fused with a C-terminal 6-His tag, was expressed in Mouse NSO Cells.
Species	Mouse
Source	Mammalian Cells
ProteinLength	19-1388 a.a.
Description	The Mannose Receptor (MR), a member of the vertebrate C-type lectin family, is a pattern recognition receptor that is involved in both innate and adaptive immunity.
Predicted N Terminal	Leu19
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured by its ability to bind with Mannan in a functional ELISA.
Molecular Mass	The recombinant Mouse Mrc1 predicts a molecular mass of 156 kDa (monomer). It migrates as an approximately 180 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 0.10 eu per 1 µg of the protein by the lal
Purity	>90%, by SDS-PAGE

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Storage	Store it under sterile conditions at -20°C to -70°C. It is recommended that the protein be aliquoted for optimal storage.
Reconstitution	Reconstitute at 100 µg/mL in sterile PBS.
GENE INFORMATION	
Gene Name	MRC1 mannose receptor, C type 1 [Homo sapiens]
Official Symbol	Mrc1
Synonyms	MRC1; mannose receptor, C type 1; mannose receptor, C type 1 like 1 , MRC1L1; macrophage mannose receptor 1; bA541I19.1; CD206; CLEC13D; CLEC13DL; mannose receptor, C type 1-like 1; C-type lectin domain family 13 member D; macrophage mannose receptor 1-like protein 1; MMR; MRC1L1; MGC181940;
Gene ID	4360
mRNA Refseq	NM_002438
Protein Refseq	NP_002429
MIM	153618
UniProt ID	P22897
Chromosome Location	10p13
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing-Cross presentation, organism-specific biosystem; Class I MHC mediated antigen processing

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& presentation, organism-specific biosystem; Cross-presentation of soluble exogenous antigens (endosomes), organism-specific biosystem; Immune System, organism-specific biosystem; Phagosome, organism-specific biosystem;

Function

binding; mannose binding; receptor activity; sugar binding;

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