



## Human MRC1 peptide (DAG-P0809)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	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, Apr 2011]
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Contains 8 C-type lectin domains.Contains 1 fibronectin type-II domain.Contains 1 ricin B-type lectin domain.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">MRC1 mannose receptor, C type 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	MRC1
<b>Synonyms</b>	MRC1; mannose receptor, C type 1; MMR; CD206; MRC1L1; CLEC13D; CLEC13DL; bA541119.1; macrophage mannose receptor 1; mannose receptor, C type 1-like 1; C-type lectin domain family 13 member D; macrophage mannose receptor 1-like protein 1;

<b>Entrez Gene ID</b>	<a href="#">4360</a>
<b>mRNA Refseq</b>	<a href="#">NM_002438.3</a>
<b>Protein Refseq</b>	<a href="#">NP_002429.1</a>
<b>UniProt ID</b>	P22897
<b>Chromosome Location</b>	10p12.33
<b>Pathway</b>	Adaptive Immune System, organism-specific biosystem; Antigen processing-Cross presentation, organism-specific biosystem; Class I MHC mediated antigen processing and presentation, organism-specific biosystem; Cross-presentation of soluble exogenous antigens (endosomes), organism-specific biosystem; Immune System, organism-specific biosystem; Phagosome, organism-specific biosystem; Phagosome, conserved biosystem; Tuberculosis, organism-specific biosystem; Tuberculosis, conserved biosystem;
<b>Function</b>	mannose binding; receptor activity;