10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MRC1 | CD206 Recombinant Rabbit mAb

Catalog # AP99163

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q61830
Other Accession	Q61830
Reactivity	Rat, Mouse
Host	Rabbit
Clonality	Recombinant
Calculated MW	164981
Physical State	Liquid
Immunogen	Recombinant mouse CD206 protein
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 8 C-type lectin domains. Contains 1 fibronectin type-II domain. [SIMILARITY] Contains 1 ricin B-type lectin domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. This gene is in close proximity to MRC1L1. The gene loci including this gene, MRC1L1, as well as LOC340843 and LOC340893, consist of two nearly identical, tandemly linked genomic regions, which are thought to be a part of a duplicated region. [provided by RefSeq].

Additional Information

Gene ID	17533
Other Names	CD206; CLEC13D; CLEC13DL; MMR; MRC1L1; bA541I19.1; hMR; MR; MRC1_HUMAN; MRC1; C-type lectin domain family 13 member D; C-type lectin domain family 13 member D-like; Human mannose receptor (hMR); Macrophage mannose receptor 1-like protein 1; MRC1_MOUSE; mannose receptor C-type 1; mannose receptor, C type 1-like 1; mannose receptor, C type 1; macrophage mannose receptor
Dilution	IHC-P=1:100-500,IF=1:100-500,ELISA=1:5000-10000,IHC-F=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name	Mrc1
Function	Mediates the endocytosis of glycoproteins by macrophages. Binds both sulfated and non-sulfated polysaccharide chains. Acts as phagocytic receptor for bacteria, fungi and other pathogens.
Cellular Location	Endosome membrane; Single-pass type I membrane protein. Cell membrane; Single- pass type I membrane protein
Tissue Location	Detected in macrophages.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.