

Human CD206/CLEC13D ELISA Kit | CD206/CLEC13D elisa kit

Human CD206/CLEC13D PicoKine ELISA Kit

CATALOG #
AAA125256

REACTIVITY
Human

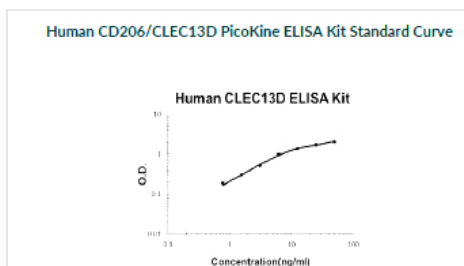
PRODUCT SYNONYMS

CD206/CLEC13D; Human CD206/CLEC13D PicoKine ELISA Kit; Human CD206/CLEC13D; mannose receptor C-type 1; Macrophage mannose receptor 1; MMR; 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; CD206; MRC1; CLEC13D; CLEC13DL; MRC1L1; CD206/CLEC13D elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human MRC1
Sequence Length	1456
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Detection Range	0.78ng/ml-50ng/ml
Sensitivity	<50pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD206/CLEC13D elisa kit

Principle of the Assay: The Picokine™ Human MRC1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human MRC1 with a 96-well strip plate that is pre-coated with antibody specific for MRC1. The detection antibody is a biotinylated antibody specific for MRC1. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human MRC1 with immunogen: Expression system for standard: NSO, Immunogen sequence: L19-K1383. The kit is analytically validated with ready to use reagents. To measure Human MRC1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human MRC1 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human MRC1 in the sample.!!Background/Introduction: The mannose receptor (Cluster of Differentiation 206, CD206) is a C-type lectin primarily present on the surface of macrophages and immature dendritic cells, but is also expressed on the surface of skin cells such as human dermal fibroblasts and keratinocytes. It is the first member of a family of endocytic receptors that includes Endo180 (CD280), M-type PLA2R, and DEC-205 (CD205). This gene is mapped to 10p12.33. 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505245
NCBI GeneID	4360
NCBI Accession #	NP_002429.1
NCBI GenBank Nucleotide #	NP_002429.1
UniProt Accession #	P22897
NCBI Official Full Name	macrophage mannose receptor 1
NCBI Official Synonym Full Names	mannose receptor C-type 1
NCBI Official Symbol	MRC1
NCBI Official Synonym Symbols	MMR; hMR; CD206; MRC1L1; CLEC13D; CLEC13DL; bA541I19.1
NCBI Protein Information	macrophage mannose receptor 1
UniProt Protein Name	Macrophage mannose receptor 1
UniProt Gene Name	MRC1
UniProt Synonym Gene Names	CLEC13D; CLEC13DL; MRC1L1; MMR
UniProt Entry Name	MRC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/cd206-clec13d/125256>