

Mouse CD163 ELISA Kit | CD163 elisa kit

Mouse CD163 PicoKine ELISA Kit

CATALOG #
AAA45836

REACTIVITY
Mouse

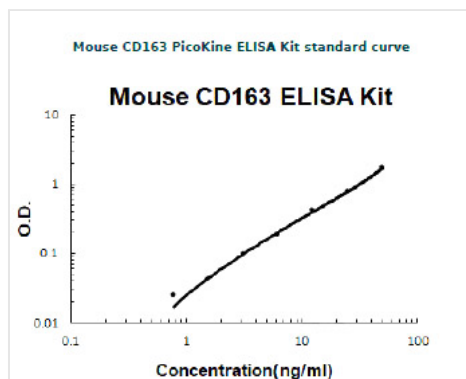
PRODUCT SYNONYMS

CD163; Mouse CD163 PicoKine ELISA Kit; Scavenger receptor cysteine-rich type 1 protein M130; CD163 molecule; CD_antigen; Hemoglobin scavenger receptor; M130; MM130; CD163 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Cd163
Sequence Length	1121
Samples	Cell culture supernatants, serum and plasma (heparin)
Detection Range	0.78 ng/ml - 50 ng/ml
Sensitivity	<20 pg/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, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD163 elisa kit

Principle of the Assay: The Picokine™ Mouse Cd163 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse Cd163 with a 96-well strip plate that is pre-coated with antibody specific for Cd163. The detection antibody is a biotinylated antibody specific for Cd163. The capture antibody is monoclonal antibody from rat and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse Cd163 with immunogen: Expression system for standard: NS0; Immunogen sequence: V39-T1045. The kit is analytically validated with ready-to-use reagents. To measure Mouse Cd163, 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 unbound ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Mouse Cd163 in the sample. Read the absorbance 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 Mouse Cd163 in the sample.

Background/Introduction: CD163 (Cluster of Differentiation 163) is a human protein encoded by the CD163 gene. It has also been shown to mark cells of monocyte/macrophage lineage. CD163, a member of the scavenger receptor cysteine-rich (SRCR) superfamily, is exclusively expressed by monocytes and macrophages. Using FISH, somatic cell hybrid analysis, and radiation hybrid analysis, CD163 gene was mapped to chromosome 12p13.3. CD163 is upregulated in a large range of diseases inflammatory diseases including type 2 diabetes, macrophage activation sickness, Tangier's disease, rheumatoid arthritis etc.

NCBI AND UNIPROT INFORMATION

NCBI GI #	341940294
NCBI GeneID	93671
UniProt Accession #	Q2VLH6; Q2VLH5; Q99MX8; A6H691
Molecular Weight	125,292 Da
NCBI Official Full Name	Scavenger receptor cysteine-rich type 1 protein M130
NCBI Official Synonym Full Names	CD163 antigen
NCBI Official Symbol	Cd163
NCBI Official Synonym Symbols	CD163v2; CD163v3
NCBI Protein Information	scavenger receptor cysteine-rich type 1 protein M130
UniProt Protein Name	Scavenger receptor cysteine-rich type 1 protein M130
UniProt Gene Name	Cd163
UniProt Synonym Gene Names	M130; sCD163
UniProt Entry Name	C163A_MOUSE

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://www.aaabiotech.com/mouse-elisa-kits/cd163/45836>