

Human Soluble CD163 (sCD163) ELISA Kit | sCD163 elisa kit

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CATALOG #
AAA331979

REACTIVITY
Human

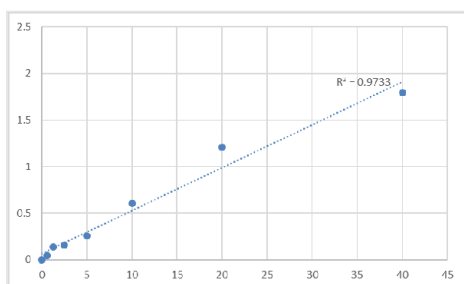
PRODUCT SYNONYMS

Soluble CD163 (sCD163); Human Soluble CD163 (sCD163) ELISA Kit; CD163; M130; MM130; CD163 antigen; macrophage-associated antigen; sCD163 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Soluble CD163 (sCD163) ELISA Kit has high sensitivity and excellent specificity for detection of Human CD163. No significant cross-reactivity or interference between Human CD163 and analogues was observed.
Sequence Length	1156
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Soluble CD163 (sCD163) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for sCD163 elisa kit	Description: This Human Soluble CD163 (sCD163) ELISA Kit employs a two-site sandwich ELISA to quantitate CD163 in samples. An antibody specific for CD163 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CD163 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CD163 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CD163 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: CD163, a hemoglobin scavenger receptor, is expressed in monocytes and macrophages. Acute phase-regulated receptor involved in clearance and endocytosis of hemoglobin/haptoglobin c by macrophages and may thereby protect tissues from free hemoglobin-mediated oxidative damage. CD163 may play a role in the uptake and recycling of iron, via endocytosis of hemoglobin/haptoglobin and subsequent breakdown of heme. It binds hemoglobin/haptoglobin complexes in a calcium-dependent and pH-dependent manner. It exhibits a higher affinity for complexes of hemoglobin and multimeric haptoglobin of HP*1F phenotype than for complexes of hemoglobin and dimeric haptoglobin of HP*1S phenotype.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	344179110
NCBI GeneID	9332
NCBI Accession #	NP_004235.4
NCBI GenBank Nucleotide #	NP_004235.4
UniProt Accession #	Q86VB7
NCBI Official Full Name	scavenger receptor cysteine-rich type 1 protein M130 isoform a
NCBI Official Synonym Full Names	CD163 molecule
NCBI Official Symbol	CD163
NCBI Official Synonym Symbols	M130; MM130; SCAR11
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_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.