

Human CD83 antigen (CD83) ELISA Kit | CD83 elisa kit

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CATALOG #
AAA245938

REACTIVITY
Human

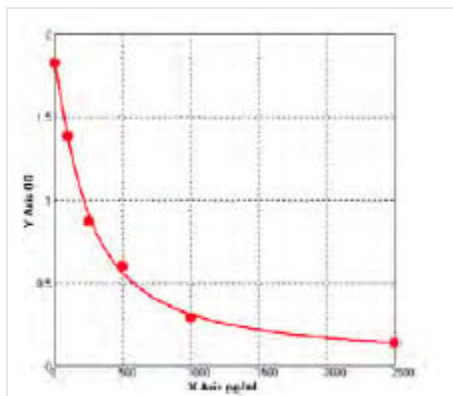
PRODUCT SYNONYMS

CD83 antigen (CD83); Human CD83 antigen (CD83) ELISA Kit; CD83 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CD83. No significant cross-reactivity or interference between CD83 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CD83 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD83 elisa kit	Intended Uses: This CD83 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CD83. This ELISA kit for research use only! Principle of the Assay: CD83 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CD83 antibody and an CD83-HRP conjugate. The assay sample and buffer are incubated together with CD83-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CD83 concentration since CD83 from samples and CD83-HRP conjugate compete for the anti-CD83 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD83 from the sample, fewer sites are left to bind CD83-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD83 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CD83 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757946
NCBI GeneID	9308
NCBI Accession #	NP_004224.1
NCBI GenBank Nucleotide #	NM_004233.3
Molecular Weight	23,042 Da
NCBI Official Full Name	CD83 antigen isoform a
NCBI Official Synonym Full Names	CD83 molecule
NCBI Official Symbol	CD83
NCBI Official Synonym Symbols	BL11; HB15
NCBI Protein Information	CD83 antigen; hCD83; B-cell activation protein; cell surface protein HB15; cell-surface glycoprotein; CD83 antigen (activated B lymphocytes, immunoglobulin superfamily)
UniProt Protein Name	CD83 antigen
UniProt Gene Name	CD83
UniProt Synonym Gene Names	hCD83
UniProt Entry Name	CD83_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.