

Human Cluster Of Differentiation 83 (CD83) ELISA Kit | CD83 elisa kit

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CATALOG #
AAA185146

REACTIVITY
Human

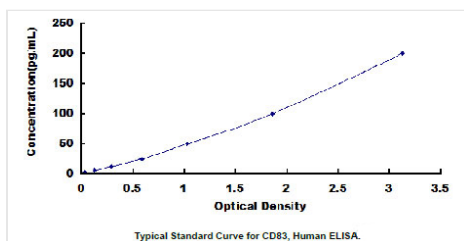
PRODUCT SYNONYMS

Cluster Of Differentiation 83 (CD83); Human Cluster Of Differentiation 83 (CD83) ELISA Kit; BL11; HB15; Activated B Lymphocytes; Immunoglobulin; B-cell activation protein; Cell surface protein HB15; 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.
Sequence Length	205
Samples	Human serum, plasma, cell lysates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	3.12-200pg/mL
Sensitivity	<1.19pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CD83 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CD83 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD83 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CD83 in human serum, plasma, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CD83. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to CD83. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CD83, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CD83 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	48146155
NCBI GeneID	9308
UniProt Accession #	Q01151; Q5THX9
Molecular Weight	23,042 Da
NCBI Official Full Name	CD83
NCBI Official Synonym Full Names	CD83 molecule
NCBI Official Symbol	CD83
NCBI Official Synonym Symbols	BL11; HB15
NCBI Protein Information	CD83 antigen
UniProt Protein Name	CD83 antigen
UniProt Gene Name	CD83
UniProt Synonym Gene Names	hCD83

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/cluster-of-differentiation-83-cd83/185146>