

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

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CATALOG #
AAA63404

REACTIVITY
Mouse

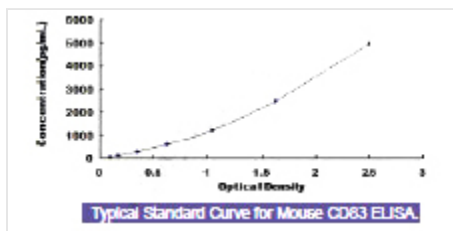
PRODUCT SYNONYMS

Cluster Of Differentiation 83 (CD83); Mouse 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	Mouse
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	196
Samples	Serum, plasma, tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	78.125-5000pg/mL
Sensitivity	35pg/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	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

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 mouse serum, plasma, tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CD83. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation 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 #	6753356
NCBI GeneID	12522
NCBI Accession #	NP_033986.1
NCBI GenBank Nucleotide #	NM_009856.3
UniProt Accession #	O88324
Molecular Weight	21,313 Da
NCBI Official Full Name	CD83 antigen isoform 1
NCBI Official Synonym Full Names	CD83 antigen
NCBI Official Symbol	Cd83
NCBI Protein Information	CD83 antigen
UniProt Protein Name	CD83 antigen
UniProt Gene Name	Cd83
UniProt Synonym Gene Names	mCD83

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/cluster-of-differentiation-83-cd83/63404>