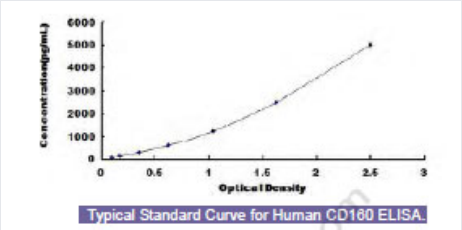
Cluster of Differentiation 160 (CD160) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Cluster Of Differentiation 160 (CD160), ELISA Kit
Full Product Name	Human Cluster Of Differentiation 160 (CD160) ELISA Kit
Product Gene Name	CD160 elisa kit
Product Synonym Names	BY55; NK1; NK28; CD160 Antigen; Natural killer cell receptor BY55
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell lysates and other biological fluids.
Detection Range	78.125-5000pg/mL
Sensitivity	30pg/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of CD160. No significant cross-reactivity or interference between CD160 and analogues was observed.
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.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CD160 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CD160 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Molecular Weight	19,810 Da
OMIM	AF060981 mRNA
3D Structure	ModBase 3D Structure for O95971
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for CD160 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CD160 in human serum, plasma, 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 CD160. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CD160. 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 CD160, 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 CD160 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of CD160 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for CD160 purchase	MBS451532 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Cluster Of Differentiation 160 (CD160) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CD160. The ELISA analytical biochemical technique of the MBS451532 kit is based on CD160 antibody-CD160 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CD160 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CD160. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of CD160 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD160. It may not necessarily be applicable to this product.

NCBI GI #	5901910
NCBI GeneID	11126
NCBI Accession #	NP_008984.1
UniProt Primary Accession #	O95971
UniProt Related Accession #	O95971
GenBank Nucleotide #	NM_007053.3
NCBI Official Full Name	CD160 antigen
NCBI Official Synonym Full Names	CD160 molecule
NCBI Official Symbol	CD160
NCBI Official Synonym Symbols	NK1; BY55; NK28
UniProt Protein Name	CD160 antigen
UniProt Synonym Protein Names	Natural killer cell receptor BY55; CD_antigen: CD160
Protein Family	CD160 antigen
UniProt Gene Name	CD160
UniProt Synonym Gene Names	BY55
NCBI Protein Information	CD160 antigen
NCBI Summary for CD160	CD160 is an 27 kDa glycoprotein which was initially identified with the monoclonal antibody BY55. Its expression is tightly associated with peripheral blood NK cells and CD8 T lymphocytes with cytolytic effector activity. The cDNA sequence of CD160 predicts a cysteine-rich, glycosylphosphatidylinositol-anchored protein of 181 amino acids with a single Ig-like domain weakly homologous to KIR2DL4 molecule. CD160 is expressed at the cell surface as a tightly disulfide-linked multimer. RNA blot analysis revealed CD160 mRNAs of 1.5 and 1.6 kb whose expression was highly restricted to circulating NK and T cells, spleen and small intestine. Within NK cells CD160 is expressed by CD56dimCD16+ cells whereas among circulating T cells its expression is mainly restricted to TCRgd bearing cells and to TCRab+CD8brightCD95+CD56+CD28-CD27-cells. In tissues, CD160 is expressed on all intestinal intraepithelial lymphocytes. CD160 shows a broad specificity for binding to both classical and nonclassical MHC class I molecules. [provided by RefSeq, Jul 2008]
UniProt Comments for CD160	Receptor showing broad specificity for both classical and non-classical MHC class I molecules.

Research Articles on CD160	**1.** CD160 and CD200 are expressed in B cells in chronic lymphocytic leukemia and are absent in other mature B-cell neoplasms.
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