



Human CD160 antigen(CD160) ELISA kit

Product Code	CSB-EL004881HU
Abbreviation	CD160
Target Name	CD160 molecule
Uniprot No.	O95971
Alias	BY55, FLJ46513, NK1, NK28, CD160 antigen CD160 transmembrane isoform OTTHUMP00000015585 natural killer cell receptor, immunoglobulin superfamily member
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.625 ng/mL-40 ng/mL
Sensitivity	0.156 ng/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Immunology
Gene Names	CD160
Tag Info	quantitative
Protein Description	Sandwich

Description	This Human CD160 ELISA Kit was designed for the quantitative measurement of Human CD160 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.625 ng/mL-40 ng/mL and the sensitivity is 0.156 ng/mL.
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Target Details	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-
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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.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human CD160 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Serum(n=4)
1:1	Average %	91
	Range %	84-96
1:2	Average %	100
	Range %	92-104
1:4	Average %	94
	Range %	85-97
1:8	Average %	97
	Range %	91-101

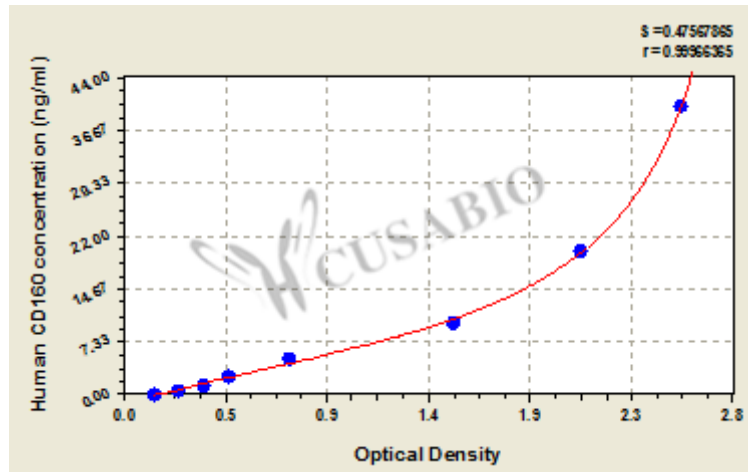
Recovery

The recovery of human CD160 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	92	85-97
EDTA plasma (n=4)	87	82-93

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average	Corrected
40	2.590	2.544	2.567	2.410
20	2.170	2.047	2.109	1.952
10	1.501	1.549	1.525	1.368
5	0.780	0.764	0.772	0.615
2.5	0.506	0.488	0.497	0.340
1.25	0.388	0.369	0.379	0.222
0.625	0.269	0.261	0.265	0.108
0	0.159	0.155	0.157	

Msds

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