

Recombinant Human CD160 Protein

Cat. No. CD160-621H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD160 protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	181
Description	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 CD 8 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-cell s. 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.
Form	Lyophilized
Molecular Mass	16.7 kDa

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AA Sequence	MLLEPGRGCCALAILLAIVDIQSGGCINITSSASQEGTRLNLICTVWHKKEEAEGFVVF LCKDRSGDCSPETSLKQLRLKRDGPIDGVGEISSQLMFTISQVTPLHSGTYQCCARS QKSGIRLQGHFFSILFTETGNYTVTGLKQRQHLEFSHNEGTLSGFLQEKVWVMLVT SLVALQAL
Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H ₂ O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	CD160 CD160 molecule [Homo sapiens (human)]
Official Symbol	CD160
Synonyms	CD160; CD160 molecule; CD160 antigen; BY55; NK1; NK28; CD160-delta Ig; CD160

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transmembrane isoform; natural killer cell receptor BY55; natural killer cell receptor, immunoglobulin superfamily member; FLJ46513;

Gene ID 11126

mRNA Refseq NM_007053

Protein Refseq NP_008984

MIM 604463

UniProt ID O95971

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