CD160 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P7796
Synonyms:	rHuCD160, C-Fc; CD160 Antigen; Natural Killer Cell Receptor BY55; CD160; BY55
Species:	Human
Source:	HEK293
Accession:	O95971 (I27-S159)
Gene ID:	11126
Molecular Weight:	50-60 kDa

PROPERTIES

AA Sequence	I N I T S S A S Q E G T R L N L I C T V W H K K E E A E G F V V F L C K D R S G D C S P E T S L K Q L R L K R D P G I D G V G E I S S Q L M F T I S Q V T P L H S G T Y Q C C A R S Q K S G I R L Q G H F F S I L F T E T G N Y T V T G L K Q R Q H L E F S H N E G T L S - F c t a g
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CD160, a 27 kDa glycoprotein, is a member of the immunoglobulin 'superfamily' of proteins. CD160 was initially identified with the monoclonal antibody BY55. CD160 is reported to be expressed by NK cells, NKT cells, intraepithelial T cells, γδ TCR^+ T cells, and memory-phenotype, activated and effector $CD8^+$ T cells. CD160 binds weakly to MHC I and stimulates NK and $CD8^+$ T□cell activation. CD160 also can act as a marker for cytolytic or exhausted $CD8^+$ T cells[1][2].

REFERENCES

[1]. Cai G, et, al. The CD160, BTLA, LIGHT/HVEM pathway: a bidirectional switch regulating T-cell activation. Immunol Rev. 2009 May;229(1):244-58.

[2]. Kaye J. CD160 and BTLA: LIGHTs out for CD4+ T cells. Nat Immunol. 2008 Feb;9(2):122-4.

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