

CD160 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P7799
Synonyms:	rMuCD160, His; CD160 antigen; CD160
Species:	Mouse
Source:	HEK293
Accession:	Q8VC80 (G28-S160)
Gene ID:	54215
Molecular Weight:	20-25 kDa

PROPERTIES

AA Sequence	<p>G C I H V T S S A S Q K G G R L D L T C T L W H K K D E A E G L I L F W C K D N</p> <p>P W N C S P E T S L E Q L R V K R D P E T D G I T E K S S Q L V F T I E Q A T P</p> <p>S D S G T Y Q C C A R S Q K P E I Y I H G H F L S V L V T G N H T E I R Q R Q R</p> <p>S H P D F S H I N G T L S H H H H H H</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. 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	<p>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]}.</p>
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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.

Caution: Product has not been fully validated for medical applications. For research use only.

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