

CD160 Protein, Rhesus macaque (HEK293, His)

Cat. No.:	HY-P7795
Synonyms:	rHuCD160, His; CD160 antigen; CD160
Species:	Rhesus Macaque
Source:	HEK293
Accession:	G7MG20 (M1-L158)
Gene ID:	696832
Molecular Weight:	16-30 kDa

PROPERTIES

AA Sequence	<pre> MLMETGRGCC ALAILLAIVD IQSGGCINIT SSAFQEGTQL NLICTVWHKK EEA EGLVVF L CKDKSRDCFP E T S L K Q L R L K RDPGIDGVGE ISSELVFTIS QVTPSHSGTY QCCATSQKSG IRLQGHFFSL LVTETGNYTV TGLKQRQHLE FSHNEGTLHH HHHH </pre>
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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