CD160 Protein, Rhesus Macaque (HEK293)

Cat. No.:	HY-P76775
Synonyms:	CD160 antigen; CD160
Species:	Rhesus Macaque
Source:	HEK293
Accession:	G7MG20 (M1-L158)
Gene ID:	696832
Molecular Weight:	Approximately 15.6 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
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.
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. Such effects have been attributed to the ability of CD160 to bind classical and nonclassical MHC class I molecules, although with apparent low affinity, requiring clustering of MHC class I molecules or overexpression of CD160 or MHC class I for detection of the interaction[1].

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