

B7-1/CD80 Protein, Rabbit (HEK293, His)

Cat. No.:	HY-P72768
Synonyms:	T-lymphocyte activation antigen CD80; Activation B7-1 antigen; B7; CD80
Species:	Rabbit
Source:	HEK293
Accession:	P42070 (G33-Q241)
Gene ID:	100009377
Molecular Weight:	30-50 kDa

PROPERTIES

AA Sequence	<p> G I S Q V T K S V K E M A A L S C D Y N I S I D E L A R M R I Y W Q K D Q Q M V L S I I S G Q V E V W P E Y K N R T F P D I I N N L S L M I L A L R L S D K G T Y T C V V Q K N E N G S F R R E H L T S V T L S I R A D F P V P S I T D I G H P D P N V K R I R C S A S G G F P E P R L A W M E D G E E L N A V N T T V D Q D L D T E L Y S V S S E L D F N V T N N H S I V C L I K Y G E L S V S Q I F P W S K P K Q E P P I D Q </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 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>The B7-1/CD80 Protein plays a pivotal role in the costimulatory signal necessary for the activation of T lymphocytes. The induction of T-cell proliferation and cytokine production is contingent upon the binding of CD28 or CTLA-4 to this receptor. As a crucial mediator of immune responses, B7-1/CD80 facilitates the dynamic interplay between T cells and their regulatory receptors, thereby influencing key processes essential for the activation and regulation of T lymphocytes in the immune system.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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