

B7-1/CD80 Protein, Cynomolgus (242a.a, HEK293, His)

Cat. No.:	HY-P75496
Synonyms:	T-lymphocyte activation antigen CD80; Activation B7-1 antigen; BB1; B7; CD80; CD28LG; LAB7
Species:	Cynomolgus
Source:	HEK293
Accession:	AAC31555 (M1-N242)
Gene ID:	105470340
Molecular Weight:	Approximately 25.4 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m 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/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
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	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.
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Caution: Product has not been fully validated for medical applications. For research use only.

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