

B7-2/CD86 Protein, Rhesus macaque (217a.a, HEK293, His)

Cat. No.:	HY-P7637
Synonyms:	rRhB7-2, His; T-lymphocyte activation antigen CD86 isoform 1; Activation B7-2 antigen; CD86
Species:	Rhesus Macaque
Source:	HEK293
Accession:	H9ZFI8 (Y31-P247)
Gene ID:	/
Molecular Weight:	40-90 kDa

PROPERTIES

AA Sequence	<pre> Y F N E T A D L P C Q F A N S Q N R S L S E L V V F W Q N Q E N L V L N E V Y L G K E K F D S V H S K Y M G R T S F D P E S W T L R L H N L Q I K D K G L Y Q C I I H H K R P T G M I R I H Q M N S E L S V L A N F S Q P E I V P I S N I T E N M Y I N L T C S S I H G Y P E P E K M S V L L R T K N S T I E Y D G V M Q K S Q D N V T E L Y D V S I S L S V S F P D V T S N M T I F C V L E T D K T Q L L S S P F S I E L E D P Q P P P D H I P H H H H H H </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	The inhibition of CD28 interactions with B7-2 molecules may represent a novel therapeutic target for the treatment of lung mucosal allergic inflammation. B7-2, but not B7-1, is upregulated on lung B cells after allergen provocation ^{[1][2]} .
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REFERENCES

[1]. K S Hathcock, et al. Comparative analysis of B7-1 and B7-2 costimulatory ligands: expression and function. J Exp Med. 1994 Aug 1;180(2):631-40.

[2]. S Tsuyuki, et al. Costimulation through B7-2 (CD86) is required for the induction of a lung mucosal T helper cell 2 (TH2) immune response and altered airway responsiveness. J Exp Med. 1997 May 5;185(9):1671-9.

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

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