

B7-2/CD86 Protein, Human (HEK293, Fc-His)

Cat. No.:	HY-P7323
Synonyms:	rHuB7-2/CD86, Fc-His; Activation B7-2 antigen; B70; BU63; CD86; CD28LG2
Species:	Human
Source:	HEK 293
Accession:	P42081 (L20-P247)
Gene ID:	942
Molecular Weight:	45-55 kDa

PROPERTIES

AA Sequence	<pre> LSGAAPLKIQ A Y F N E T A D L P C Q F A N S Q N Q S L S E L V V F W Q D 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 S D S W T L R L H N L Q I K D K G L Y Q C I I H H K K 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 V Y I N L T C S S I H G Y P E P K 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 I L E T D K T R 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>
Biological Activity	5 µg/mL (100 µL/well) of immobilized recombinant human B7-2/CD86, Fc-His can bind human CTLA-4-Fc with a linear range of 0.977-7.813 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS, 5% trehalose and mannitol.
Endotoxin Level	<0.1 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 or PBS.
Storage & Stability	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. 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	CD86 is a transmembrane region, and a longer cytoplasmic domain than CD80. CD86 is constitutively expressed on interdigitating dendritic cells (DCs), Langerhans cells, peripheral blood DCs, memory B cells and germinal center B cells, and macrophages. CD86 is rapidly upregulated on B cells following activation by cross-linking of the Ig receptor or the addition of a variety of cytokines ^[1] .
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REFERENCES

[1]. Han L, et al. A monoclonal antibody against CD86 and its protection in a murine lupus nephritis model of chronic graft-versus-host disease. Immunopharmacol Immunotoxicol. 2017 Oct;39(5):285-291.

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

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