For Research Use Only Recombinant Human CD80 protein (hFc Tag)

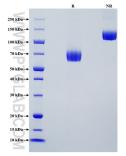


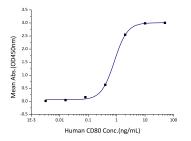
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Catalog Number: Eg0967

Basic Information	<mark>Species:</mark> Human	Purity: >95 %, SDS-PAGE	Tag: hFc Tag
	EC50: 1-4 ng/mL		
Technical Specifications	Purity: >95 %, SDS-PAGE		
	Endotoxin Level: <0.1 EU/ μ g protein, LAL method		
	Source: HEK293-derived Human CD80 protein Val35-Asn242 (Accession#P33681-1) with a human IGg1 Fc tag at the C- terminus.		
	GenelD: 941		
	Accession: P33681-1		
	Predicted Molecular Mas 49.9 kDa	s:	
	SDS-PAGE: 66-80 kDa, reducing (R) c	onditions	
	Formulation: Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Immobilized Human CTLA-4 (Myc tag, His tag) at 2 µg/mL (100 µL/well) can bind Human CD80 (hFc tag) with a linear range of 1-4 ng/mL.		
Storage and Shipping	Storage: It is recommended that t	he protein be aliquoted for optimal storag	e. Avoid repeated freeze-thaw cycles.
	 Until expiry date, -20°C to -80°C as lyophilized proteins. 3 months, -20°C to -80°C under sterile conditions after reconstitution. 		
	Shipping: The product is shipped at temperature.	t ambient temperature. Upon receipt, store	e it immediately at the recommended
Reconstitution	Briefly centrifuge the tu	be before opening. Reconstitute at 0.1-0.5	mg/mL in sterile water.
Background	CD80 (also known as B7- with an extracellular imn binding. It is expressed o macrophages. CD80 is th involved in the costimula production is induced by activation. CD80 also acts	1) is a type I membrane protein that is a me nunoglobulin constant-like domain and a va on antigen-presenting cells (APCs), includir e receptor for the proteins CD28 and CTLA- atory signal essential for T-lymphocyte acti the binding of CD28, binding to CTLA-4 has a sa a cellular attachment receptor for ader	mber of the immunoglobulin superfamily, ariable-like domain required for receptor og B cells, dendritic cells, monocytes, and -4 found on the surface of T-cells. It is ivation. T-cell proliferation and cytokine s opposite effects and inhibits T-cell novirus subgroup B.
References		l Biol Chem. 36: 21181-21187. !). DNA Cell Biol. 3: 137-149. Irus Res. 122:144-153.	
Synonyms	CD80, Activation B7 1 ant	igen, Activation B7-1 antigen, B7, B7 1	

Selected Validation Data





Purity of Recombinant Human CD80 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

Immobilized Human CTLA-4 (Myc tag, His tag) at 2 μ g/mL (100 $\,\mu$ L/well) can bind Human CD80 (hFc tag) with a linear range of 1-4 ng/mL

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.