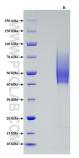
For Research Use Only Recombinant Human B7-2/CD86 protein (Myc Tag, His Tag)

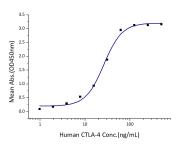


Catalog Number: Eg0059

Basic Information	<mark>Species:</mark> Human	Purity: >95 %, SDS-PAGE	Tag: C-Myc, His
	EC50: 13-52 ng/mL		
Technical Specifications	Purity: >95 %, SDS-PAGE		
	Endotoxin Level: <0.1 EU/ µ g protein, LAL method		
	Source: HEK293-derived Human B7-2 protein Leu26-Pro247 (Accession# P42081) with a Myc tag and a His tag at the C- terminus.		
	GenelD: 942		
	Accession: P42081		
	Predicted Molecular Mass: 27.9 kDa		
	SDS-PAGE: 40-70 kDa, reducing (R) conditions	5	
	Formulation: Lyophilized from 0.22 µ m filtered protectants before lyophilization.	d solution in PBS, pH 7.4. Normall	y 5% trehalose and 5% mannitol are added as
Biological Activity	Immobilized Human B7-2 (Myc tag, His tag) at 2 μ g/mL (100mL/well) can bind Human CTLA-4 (hFc tag, Myc tag ,His tag) with a linear range of 13-52 ng/mL.		
Storage and Shipping	Storage: It is recommended that the protei	in be aliquoted for optimal stora	ge. Avoid repeated freeze-thaw cycles.
	 Until expiry date, -20℃ to 3 months, -20℃ to -80℃ 	$0-80^{\circ}\mathrm{C}$ as lyophilized proteins. under sterile conditions after re	constitution.
	Shipping: The product is shipped at ambient temperature.	temperature. Upon receipt, stor	re it immediately at the recommended
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	antigen 4 (CTLA-4). Binding of CD8 proliferation, and cytokine produc activation and diminishes the imm	6 or CD80 with CD28 antigen is a tion. Binding of CD86 or CD80 wi une response.However. CD86 ar	to the immunoglobulin (Ig) superfamily. cluding B cells, dendritic cells, and 7 family molecule, CD80 (B7-1).CD86 and CD28 antigen and cytotoxic T-lymphocyte costimulatory signal for T cell activation, ith CTLA-4 negatively regulates T cell nd CD80 bind to CTLA-4 with higher affinity are associated with autoimmunity.
References	1.Bolandi N, et al. (2021). Int J Mol S 2.Yokozeki H, et al. (1996). J Invest 3.Baravalle G, et al. (2011). J Immur 4.Collins M, et al. (2005). Genome F 5.Greaves P, et al. (2013). Blood. 12 6.Kennedy A, et al. (2022). Nat Imm	Dermatol.106(1):147-153 nol. 187(6):2966-2973. Biol. 6(6):223 21(5):734-744	
Synonyms	CD86, Activation B7 2 antigen, Acti	ivation B7-2 antigen, B7 2, B70	

Selected Validation Data





Purity of Recombinant human B7-2 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue. Immobilized Human B7-2 (Myc tag, His tag) at 2 μ g/mL (100mL/well) can bind Human CTLA-4 (hFc tag, Myc tag ,His tag) with a linear range of 13-52 ng/mL

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