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Product Sheet

Human CD86 Protein; hFc Tag

GM-88834RP-100 / 100 μg
GM-88834RP-1000 / 1 mg

Product Information

Product Name	Human CD86 Protein; hFc Tag
Source	Human CD86 Protein; hFc Tag (GM-88834RP) is expressed from human 293 cells (HEK-293). It contains AA Ala 24 - Pro 247 (Accession # P42081-1). This protein carries an hFc tag at the C-terminus.
Predicted MW	51.5 kDa
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/μg, determined by LAL gel clotting assay
Formulation	Liquid; Supplied as a 0.2 μm filtered solution of PBS, pH 7.2–7.4.
Storage	Store at ≤ -70℃, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Shipping	Shipped on dry ice.
Synonyms	B7-2, B70, CD28LG2, LAB72, MGC34413
Background	CD86 (B7-2) is a type I transmembrane glycoprotein of the immunoglobulin superfamily, encoded by the CD86 gene on chromosome 3q13.33, and constitutively expressed on antigen-presenting cells. Comprising 329 amino acids with extracellular IgV-like and IgC-like domains, CD86 serves as the ligand for CD28 and CTLA-4 on T cells. Engagement of CD28 delivers the critical costimulatory signal that, together with MHC–TCR engagement, promotes naive T-cell activation, whereas binding to CTLA-4 attenuates T-cell responses. The crystal structure of its receptor-binding domain has elucidated the molecular basis of these interactions, establishing CD86 as a pivotal regulator of adaptive immunity and an attractive therapeutic target.

Version 4.0.26.1013

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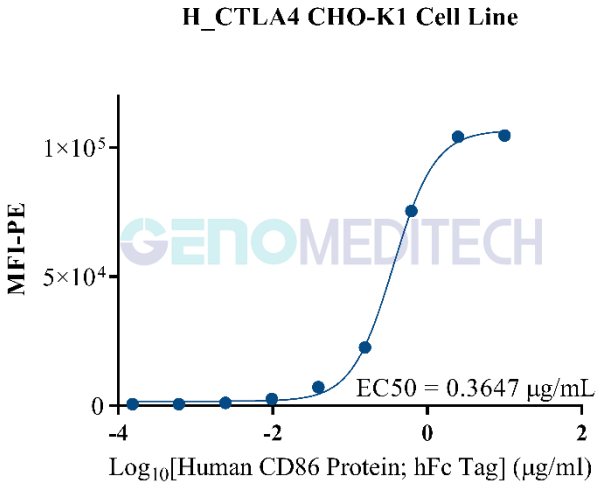
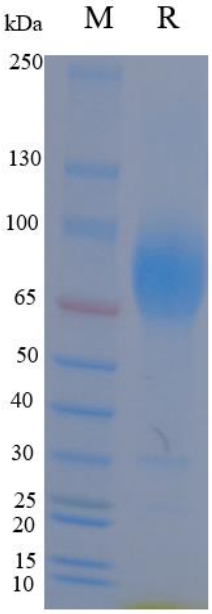
Data

Affinity



Human CD86 Protein; hFc Tag (Catalog # GM-88834RP) was added into H_CTLA4 CHO-K1 Cell Line (Catalog # GM-C23829) and the binding was detected by flow cytometry.

Purity



On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Related Products

CTLA4:CD80:CD86	
H_CD80 aAPC CHO-K1 Cell Line	H_CD80 PDL1 aAPC CHO-K1 Cell Line
H_CTLA4 PD-1 Reporter Cell Line	H_CTLA4 Reporter Jurkat Cell Line
H_CTLA4 Reporter(IL-2 promoter) Jurkat Cell Line	Canine_CTLA4 CHO-K1 Cell Line
Cynomolgus_CTLA4 HEK-293 Cell Line	H_CTLA4 (Full-Length) CHO-K1 Cell Line

H_CTLA4 CHO-K1 Cell Line	H_CTLA4 HEK-293 Cell Line
H_CTLA4 Jurkat Cell Line	H_CTLA4 PD-1 CHO-K1 Cell Line (High Ratio)
H_CTLA4 PD-1 CHO-K1 Cell Line (Low Ratio)	
Anti-CTLA4 hIgG1 Reference Antibody (Ipibio)	Anti-CTLA-4/PD-1 hIgG1 Bispecific Antibody(Cadonilimab)
Anti-CTLA4×PD-1 hIgG1 Reference Antibody (Cadbio)	Anti-H_CD80 hIgG1 Antibody(Galiximab)
Anti-H_CTLA-4 hIgG1 Antibody(Ipilimumab)	Anti-mouse CTLA4 mIgG2b Antibody(9D9)
Anti-mouse CTLA4 Syrian Hamster IgG2 Antibody(9H10)	
Biotinylated Cynomolgus CTLA4 Protein; His-Avi Tag	Biotinylated Mouse CTLA4 Protein; His-Avi Tag
Cynomolgus CTLA4 Protein; His Tag	Human CD80 Protein; His Tag
Human CTLA4 Protein; His Tag	Mouse CTLA4 Protein; His Tag

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