9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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CD80 Human

CD80 Human Recombinant
CDA0113

Product Overview

Name	CD80 Human
Description	
CD80 Human Recombinant	
Accession (Primary)	P33681
Synonyms	
CD80 Molecule, CD80 Antigen (CD28 Antigen Ligand 1, B7-1 Antigen), B-Lymphocyte Activation Antigen B7, CTLA-4 Counter-Receptor B7.1, Activation B7-1 Antigen, CD28LG1, CD28LG, LAB7, BB1, B7, Costimulatory Molecule Variant IgV-CD80, T-Lymphocyte Activation Antigen CD80, Costimulatory Factor CD80, CD80 Antigen, B7-1, B7.1.	
Introduction	
CD80 which is a member of cell surface immunoglobulin superfamily takes part in the costimulatory signal essential for T-lymphocyte activation. CD80 binds to either human or mouse CD28 and CTLA-4 – binding to CD28 induces T-cell proliferation and cytokine production while binding to CTLA-4 inhibits T-cell activation. CD80 is expressed on activated B cells, activated T cells, and macrophages.	
Source	
Sf9, Insect cells.	
Formulation	
CD80 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
VIHVTKEVKE VATLSCGHNV SVEELAQTRI YWQKEKKMVL TMMSGDMNIW PEYKNRTIFD ITNNLSIVIL ALRPSDEGTY ECVVLKYEKD AFKREHLAEV TLSVKADFPT PSISDFEIPT SNIRRIICST SGGFPEPHLS WLENGEELNA INTTVSQDPE TELYAVSSKL DFNMTTNHSF MCLIKYGHLR VNQTFNWNTT KQEHFPDN LE HHHHHH.	
Precautions	

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CD80 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P33681)