

Product information

CD80, 37-246aa

Mouse, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3353

Full name: T-lymphocyte activation antigen CD80

NCBI Accession No.: NP_033985

Synonyms: Cd80, Cd28l, Ly-53, Ly53, MIC17, TSA1

Description: Cd80, also known as T-lymphocyte activation antigen CD80, is a member of cell surface immunoglobulin superfamily and is expressed on the surface of antigen-presenting cells including activated B cells, macrophages and dendritic cells. It is the ligand for two different proteins on the T cell surface: Cd28 (for autoregulation and intercellular association) and Ctla4 (for attenuation of regulation and cellular disassociation). This protein also plays a role in induction of innate immune responses by activating NF- κ B-signaling pathway in macrophages. It is thus regarded as promising therapeutic targets for autoimmune diseases and various carcinomas. Recombinant mouse Cd80, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 24.7kDa (216aa)

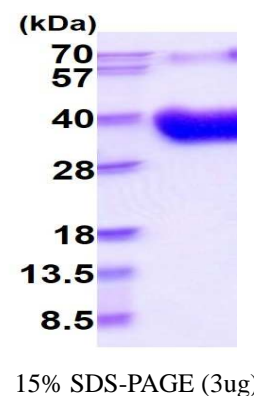
28-40kDa (SDS-PAGE under non-reducing conditions.)

Predicted N terminal: Gln37

Purity: > 95% by SDS – PAGE.

Concentration: 0.25mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: < 1.0 EU per 1 μ g of protein (determined by LAL method)



Sequences of amino acids:

DVDEQLSKSV KDKVLLPCRY NSPHEDESED RIYWQKHDKV VLSVIAGKLK VWPEYKNRTL YDNTTYSLLI LGLVLSDRGT YSCVVQKKER
 GTYEVKHLAL VKLSIKADFS TPNITESGNP SADTKRITCF ASGGFPKPRF SWLENGRELP GINTTISQDP ESELYTIS SQ LDFNTTRNHT
 IKCLIKYGDA HVSEDFTWEK PPEPPDSKN HHHHHH

General references:

Peach R., *et al.* (1995) *J. Biol. Chem.* 270: 21181-21187.

Suvas S., *et al.* (2002) *J. Biol. Chem.* 277:7766-7775.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
 Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.