

CD80, 37-246aa, Mouse, His tag, Baculovirus

Cat.NO.: TP01536

3th Edition

Synonyms:T-lymphocyte activation antigen CD80, 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 Ctl4 (for attenuation of regulation and cellular disassociation). This protein also plays a role in induction of innate immune responses by activating NF-KB-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)

Sequences:

DVDEQLSKSVKDKVLLPCRYNSPHEDESEDRIYWQKHDKVVLVSVIAGKLVWPEYKNRTLYDNTTYSLIILGLVLSD
RGTYSCVVQKKERGTYEVKHLALVKLSIKADFSTPNITESGNPSADTKRITCFASGGFPKPRFSWLENGRELPGINT
TISQDPESELYTISSQLDFNTTRNHTIKCLIKYGDAHVSEDFTWEKPPEDPPDSKNHHHHHH

Purity:> 95% by HPLC

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

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

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.