

Recombinant Rat T-lymphocyte Activation Antigen CD80/B7-1 Protein(C-6His)

Cat.NO.: TP05011

3th Edition

Synonyms:T-lymphocyte activation antigen CD80; Activation B7-1 antigen; B7; CD80

Description:Cluster of Differentiation 80, also called B7-1, is a member of cell surface immunoglobulin superfamily which plays key, yet distinct roles in the activation of T cells. B7-1/CD80 and B7-2/CD86, together with their receptors CD28 and CTLA4, constitute one of the dominant co-stimulatory pathways that regulate T- and B- cell responses. CD80 is mostly expressed on the surface of antigen-presenting cells including activated B cells, macrophages and dendritic cells. Although both CTLA-4 and CD28 can bind to the same ligands, CTLA-4 binds to B7-1 and B7-2 with a 20-100 fold higher affinity than CD28 and is involved in the down-regulation of the immune response.

Form:PBS

Molecular Weight:25.7 kDa

Sequences:Vla30-Gln248

Purity:> 95% by HPLC

Concentration:

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.