

Datasheet for ABIN7320950
CD80 Protein (CD80) (Fc Tag)[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	CD80
Origin:	Cynomolgus
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD80 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Cynomolgus B7-1/CD80 Protein (Fc Tag)
Sequence:	Val35-Asn242
Characteristics:	Recombinant Cynomolgus CD80 is produced by our Mammalian expression system and the target gene encoding Val35-Asn242 is expressed with a Fc tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CD80
Alternative Name:	B7-1/CD80 (CD80 Products)
Background:	Background: Cynomologous Cluster of Differentiation 80, also called B7-1, is a member of cell surface immunoglobulin superfamily. It is expressed on the surface of antigen-presenting cells including activated B cells, macrophages and dendritic cells. CD80 plays key, yet distinct roles in

Target Details

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. CD80 is thus regarded as promising therapeutic targets for autoimmune diseases and various carcinomas.

Synonym: T-lymphocyte activation antigen CD80, Activation B7-1 antigen, B7, CD80

Molecular Weight: 51 kDa

UniProt: [G7NXN7](#)

Pathways: [TCR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Positive Regulation of Immune Effector Process](#), [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

Handling

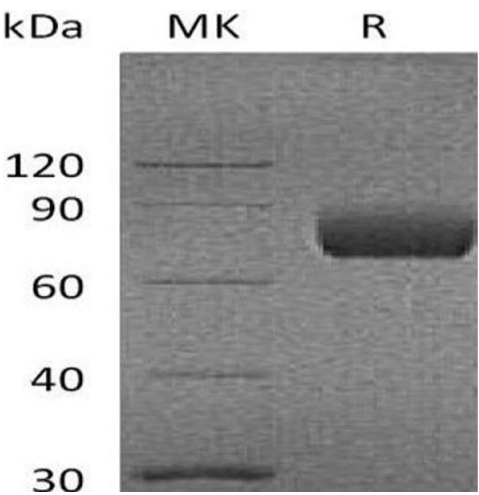
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 50 mM Tris, 100 mM Glycine, pH 7.5.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.