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## Datasheet for ABIN7320994 CD80 Protein (CD80) (His tag)

Image



#### Overview

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

#### Product Details

Purpose:	Recombinant Rabbit B7-1/CD80 Protein (His Tag)
Sequence:	Gly33-Gln241
Characteristics:	Recombinant Rabbit CD80 is produced by our Mammalian expression system and the target gene encoding Gly33-Gln241 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per $\mu$ g as determined by the LAL method.

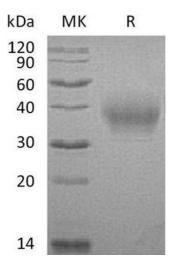
#### Target Details

Target:	CD80
Alternative Name:	B7-1/CD80 (CD80 Products)
Background:	Background: 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

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### Target Details

	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.
	Synonym: T-lymphocyte activation antigen CD80, Activation B7-1 antigen, B7, CD80
Molecular Weight:	24.5 kDa
UniProt:	P42070
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 $\mu$ m filtered solution of PBS, pH 7.4.
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.

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