

## Product datasheet for **TP724600**

### Cd80 Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse CD80 (C-His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Val38-Asn246
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4
Note:	Recombinant Mouse T-lymphocyte Activation Antigen CD80 is produced by our Mammalian expression system and the target gene encoding Val38-Asn246 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	12519
UniProt ID:	<a href="#">Q00609</a>
Summary:	CD80, also known as B7-1, is a member of cell surface immunoglobulin superfamily. CD80 is predominately expressed on the surface of antigen-presenting cells including activated B cells, macrophages and dendritic cells. CD80 and CD86, together with their receptors CD28 and CTLA4, form one of the dominant co-stimulatory pathways that mediate T- and B- cell responses. Although both CD28 and CTLA4 can bind to CD80 and CD86, CTLA-4 has 20-100 fold higher affinity than CD28 plays a role in the down-regulation of the immune response. CD80 is also involved in the induction of innate immune responses by activating NF- $\kappa$ B-signaling pathway in macrophages. Therefore, CD80 has the potential to be promising therapeutic targets for autoimmune diseases and various carcinomas.



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