

## Product datasheet for **TP727385**

### Cd80 Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse B7-1/CD80 (C-Fc)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Val38-Lys245
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Mouse Activation B7-1 antigen is produced by our Mammalian expression system and the target gene encoding Val38-Lys245 is expressed with a Fc tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	12519
UniProt ID:	<a href="#">Q00609</a>
Summary:	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. It is the ligand for two different proteins on the T cell surface: CD28 and CTLA-4. Studies have shown that CTLA-4 binds mostly to CD80. The structure presents two extracellular domains: a membrane distal variable-like domain (IgV) and a membrane proximal Ig constant-like domain (IgC) along with an intracellular domain. Both IgV and IgC consist of anti-parallel beta sandwiches joined by a short linker region. CD80 is mostly expressed on the surface of antigen-presenting cells including activated B cells, macrophages and dendritic cells.



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