

Product datasheet for **TP724600**

Cd80 Mouse Recombinant Protein

Product data:

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|---------------------------------------|---|
| 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. |
| Storage: | Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-5 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Stability: | 12 months from date of despatch |
| Locus ID: | 12519 |
| UniProt ID: | Q00609 |
| Synonyms: | T-lymphocyte activation antigen CD80; Activation B7-1 antigen; B7; CD80 |
| 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- κ 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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