

## 32-9187: Recombinant Cynomolgus B7-1/CD80 (C-His)

**Alternative Name :** T-lymphocyte activation antigen CD80; Activation B7-1 antigen; B7; CD80

### Description

Source : Human 293 Cells;

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-kB-signaling pathway in macrophages. Therefore, CD80 has the potential to be promising therapeutic targets for autoimmune diseases and various carcinomas.

### Product Info

**Amount :** 500 µg / 50 µg

**Content :** Lyophilized from a 0.2 um filtered solution of PBS, 5% Trehalose pH 7.4

**Amino Acid :** Recombinant Cynomolgus T-lymphocyte Activation Antigen CD80 is produced by our Mammalian expression system and the target gene encoding Val35-Asn242 is expressed with a 6His tag at the C-terminus.