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32-9519: Recombinant Cynomolgus CD80/B7-1 (C-Fc)

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

Description

Source : Human Cells;
Cynomologous Cluster of Differentiation 80, also called B7-1, is a member of cell surface immunoglobulin superfamily.It is expressed on the surface of antigen-presenting cells including activated B cells, macrophages and dendritic cells.CD80 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 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. CD80 is thus regarded as promising therapeutic targets for autoimmune diseases and various carcinomas.

Product Info

Amount : 500 µg / 50 µg

Content : Lyophilized from a 0.2 µm filtered solution of 50 mM Tris, 100 mM Glycine, pH7.5.

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 Fc tag at the C-terminus.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.