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Product datasheet for TP727539

Cynomolgus Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Cynomolgus B7-1/CD80 (C-6His)
Species:	Cynomolgus
Expression cDNA Clone or AA Sequence:	Val35-Asn242
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	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.
Stability:	12 months from date of despatch
Summary:	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.

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