

32-8647: Recombinant Mouse B7-2/CD86 (C-Fc)

Gene : Cd86
Gene ID : 12524
Uniprot ID : P42082

Description

Source: Human Cells.
MW :52.2kD.

Recombinant Mouse T-lymphocyte activation antigen CD86 is produced by our Mammalian expression system and the target gene encoding Val26-Glu245 is expressed with a Fc tag at the C-terminus. The protein is the receptor that involved in the costimulatory signal essential for T-lymphocyte proliferation and interleukin-2 production, by binding CD28 or CTLA-4. It may play a critical role in the early events of T-cell activation and costimulation of naive T-cells, such as deciding between immunity and anergy that is made by T-cells within 24 hours after activation. Isoform 2 interferes with the formation of CD86 clusters, and thus acts as a negative regulator of T-cell activation. The protein interacts with MARCH8, human herpesvirus 8 MIR2 protein, adenovirus subgroup B fiber proteins and acts as a receptor for these viruses. It is expressed by activated B-lymphocytes and monocytes and promoted by MARCH8 and results in endocytosis and lysosomal degradation. It contains 1 Ig-like C2-type (immunoglobulin-like) domain and 1 Ig-like V-type (immunoglobulin-like) domain.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Storage condition : 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 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : VETQAYFNGTAYLPCPFTKAQNISELVFWQDQQLVLYEHYLGTEKLDVNAKYLGRTSFDRNNWTLRLH NVQIKDMGSYDCFIQKKPPTGSIIQQTLTELSVIANFSEPEIKLAQNVGTGNSGINLTCTSKQGHPKPKMYFLITN STNEYGDNMQISQDNVTELFISINLSLSFPDGVWHMTVVCVLETESMKISSKPLNFTQEFPSPTQYWKEVDDI EGRMDEPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVE VHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREE MTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVVFSCVMH EALHNHYTQKSLSPGK

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.