

Ctla4, 38-161aa, Mouse, hlgG-His tag, Baculovirus**Cat.NO.: TP01771**

3th Edition

Synonyms:Cytotoxic T-lymphocyte protein 4 isoform 1, CTLA4, Cd152, Ctla-4, Ly-56

Description:CTLA4, also known as cytotoxic T-lymphocyte protein 4 isoform 1, is a type 1 membrane protein and a member of the immunoglobulin-superfamily. Besides, this protein contains an extra cellular domain, a transmembrane domain and a cytoplasmic tail. It is generally expressed with highest levels in lymphoid tissues. Also, it is similar to T-cell costimulatory protein CD28 since both of the molecules bind to CD80 and CD86 on antigen-presenting cells. CTLA4 and CD28 effectively regulate to T cell responses as opposing signals transmitted through two related cell-surface receptors. Recombinant mouse CTLA4, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:40.6kDa (363aa), 40-57KDa (SDS-PAGE under reducing conditions.)

Sequences:

IQVTQPSVVLASSHGVASFPCEYSPSHNTDEVVRTVLRQTNDQMTEVCATTFTEKNTVGFLDYPFCSGTFNESRVN
LTIQGLRAVDLTGLYLCKVELMYPPPYFVGMGNGTQIYVIDPEPCPDSDLEPKSCDKTHTCPPCPAPPELLGGPSVFLF
PPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP
PVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGKHHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.