

**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:**

IQVTQPSVVLASSHGVASFPCEYSPSHNTDEV RVTVLRQTNDQMTEVCATTFTEKNTVGFLDYPFCSGTFNESRVN  
LTIQGLRAVDTGLYLCKVELMYPPPYFVGMGNGTQIYVIDPEPCPDSLEPKSCDKTHTCPPCPAPPELLGGPSVFLF  
PPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKE  
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP  
PVLDS DGSFFLYSKLTVDKSRWQQGNV FSCSVMHEALHNHYTQKSLSLSPGKHHHHHH

**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.