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32-6331: CTLA4 Mouse

Alternative Name : Cytotoxic T-lymphocyte protein 4, Cytotoxic T-lymphocyte-associated antigen 4, CTLA-4, CD152, Ctla4, Cd152.

Description

Source: Sf9 Insect cells.
Sterile filtered colorless solution.
CTLA-4 is a member of the immunoglobulin superfamily and encodes a protein which transmits an inhibitory signal to T cells. The protein contains a V domain, a transmembrane domain, and a cytoplasmic tail. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. The membrane-bound isoform functions as a homodimer interconnected by a disulfide bond, while the soluble isoform functions as a monomer. Mutations in this gene have been associated with ins.-dependent diabetes mellitus, Graves disease, Hashimoto thyroiditis, celiac disease, systemic lupus erythematosus, thyroid-associated orbitopathy, and other autoimmune diseases.
CTLA4 Mouse Recombinant produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 363 amino acids (38-161aa) and having a molecular mass of 40.6kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa).CTLA4 is fused to a 239 amino acid hIgG-His-tag at C-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	5 µg / 20 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	CTLA4 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	IQVTQPSVVL ASSHGVASFP CEYSPSHNTD EVRVTVLRQT NDQMTEVCAT TFTEKNTVGF LDYPFCSGTF NESRVNLTIQ GLRAVDTGLY LCKVELMYPP PYFVGMGNGT QIYVIDPEPC PDSDLEPKSC DKTHTCPPCP APELLGGPSV FLFPPKPKDT LMISRTPEVT CVVVDVSHEDPEVKFNWYVD GVEVHNAKTK PREEQYNSTY RVVSVLTVLH QDWLNGKEYK CKVSNKALPA PIEKTISKAK GQPREPQVYT LPPSRDELTK NQVSLTCLVK GFYPSDIAVE WESNGQPENN YKTTPPVLDS DGSFFLYSKL TVDKSRWQQG NVFSCSVMHE ALHNHYTQKS LSLSPGKHHHHHH.

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