9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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CTLA4 Mouse

Cytotoxic T-Lymphocyte Associated Antigen-4 Mouse Recombinant
CYK0126

Product Overview

Name	CTLA4 Mouse
Description	
Cytotoxic T-Lymphocyte Associated Antigen-4 Mouse Recombinant	
Accession (Primary)	P16410
Synonyms	
Cytotoxic T-lymphocyte protein 4, Cytotoxic T-lymphocyte-associated antigen 4, CTLA-4, CD152, Ctla4, Cd152.	
Introduction	
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.	
Source	
Sf9 Insect cells.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
CTLA4 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
IQVTQPSVVL ASSHGVASFP CEYSPSHNTD EVRVTVLRQT NDQMTEVCAT TFTEKNTVGF LDYPFCSGTF NESRVNLTIQ GLRAVDTGLY LCKVELMYPP PYFVGMGNGT QIYVIDPEPC PDSD LEPKSC DKTHTCPPCP APELLGGPSV FLFPPKPKDT LMISRTPEVT CVVVDVSHED PEVKFNWYVD GVEVHNAKTK PREEQYNSTY	

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RVVSVLTVLH QDWLNGKEYK CKVSNKALPA PIEKTISKAK GQPREPQVYT LPPSRDELTK NQVSLTCLVK GFYPSDIAVE WESNGQPENN YKTTPPVLDS DGSFFLYSKL TVDKSRWQQG NVFSCSVMHE ALHNHYTQKS LSLSPGKHHH HHH.

Biological Activity

The ED50 range ≤150ng/ml and the activity is determined by the IL-2 ELISA in a using stimulated Jurkat human acute T cell leukemia cells with Human B7-1/CD80.

Precautions

CTLA4 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P16410)