



Recombinant Mouse Cytotoxic T-lymphocyte protein 4 (Ctla4), partial

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| Product Code | CSB-EP006163MO1-B |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | P09793 |
| Product Type | Recombinant Protein |
| Immunogen Species | Mus musculus (Mouse) |
| Purity | >85% (SDS-PAGE) |
| Sequence | EAIQV TQPSVVLASS HGVASFPCEY SPSHNTDEV R VTVLRQTNDQ MTEVCATTF T EKNTVGFLDY PFCSGTFNES RVNLTIQGLR AVDTGLYLCK VELMYPPPYF VGMGNGTQIY VIDPEPCPDS D |
| Source | E.coli |
| Target Names | Ctla4 |
| Protein Names | Recommended name: Cytotoxic T-lymphocyte protein 4 Alternative name(s): Cytotoxic T-lymphocyte-associated antigen 4 Short name= CTLA-4 CD_antigen= CD152 |
| Expression Region | 36-161 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | Partial |
| Target Details | This gene 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 insulin-dependent diabetes mellitus, Graves disease, Hashimoto thyroiditis, celiac disease, systemic lupus erythematosus, thyroid-associated orbitopathy, and other autoimmune diseases. |
| Reconstitution | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| Shelf Life | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life |



of lyophilized form is 12 months at -20°C/-80°C.