Active Recombinant Mouse Ctla4 protein(Met1-Phe162), His-tagged

Cat. No. Ctla4-3307M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CTLA4 (NP_033973.2) (Met 1-Phe 162) was expressed in HEK293, with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Phe162
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Immobilized recombinant mouse CTLA4-His at 2 μg/ml (100 μl/well) can mouse CD80-Fc. The EC50 of mouse CD80-Fc is 1-9 ng/ml. 2. Immobilized recombinant mouse CTLA4-His at 10 μg/ml (100 μl/well) can human B7-1-Fc. The EC50 of human B7-1-Fc is 2-14 ng/ml. 3. Measured by its ability to inhibit IL-2 secretion by stimulated Jurkat human acute T cell leukemia cells. The ED50 for this effect is 0.1-0.5μg/mL when stimulated with 1 μg/mL Recombinant Human B7-1/CD80.
Molecular Mass	The recombinant mouse CTLA4 consists of 138 amino acids and has a predicted molecular mass of 15.46 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of mouse CTLA4 is approximately 25-30 kDa due to glycosylation.
Endotoxin	< 1.0 EU per

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	μg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Ctla4 cytotoxic T-lymphocyte-associated protein 4 [Mus musculus]
Official Symbol	Ctla4
Synonyms	CTLA4; cytotoxic T-lymphocyte-associated protein 4; cytotoxic T-lymphocyte protein 4; CD152 antigen; cytotoxic T-lymphocyte-associated antigen 4; Cd152; Ly-56; Ctla-4;
Gene ID	12477
mRNA Refseq	NM_009843
Protein Refseq	NP_033973

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