

Active Recombinant Mouse Cd4 protein(Met1-Thr394), His-tagged

Cat. No. Cd4-2276M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD4 (NP_038516.1) (Met 1-Thr 394) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Thr394
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	Measured by the ability of the immobilized protein to support the adhesion of NIH-3T3 mouse embryonic fibroblast cells. When 5 × 10E4 cells/well are added to mCD4-His coated plates (0.2µg/mL and 100µL/well), approximately 30% will adhere specifically after 30 minutes at 37°C.
Molecular Mass	The recombinant mouse CD4 consists of 379 amino acids and has a predicted molecular mass of 42.8 kDa. As a result of glycosylation, the apparent molecular mass of rmCD4 is approximately 50-55 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE

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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 Cd4 CD4 antigen [*Mus musculus*]

Official Symbol Cd4

Synonyms CD4; CD4 antigen; T-cell surface glycoprotein CD4; T-cell surface antigen T4/Leu-3; T-cell differentiation antigen L3T4; T-cell surface glycoprotein CD4 precursor (T-cell surface antigen T4/Leu-3) (T-cell differentiation antigen L3T4); L3T4; Ly-4;

Gene ID 12504

mRNA Refseq NM_013488

Protein Refseq NP_038516

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