

## Active Recombinant Mouse CD6 protein(Met1-Gly396), His-tagged

Cat. No. CD6-1240M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant extracellular domain of Mouse CD6 (Q91WN5) (Met 1-Gly396) was expressed in HEK293 with a C-terminal polyhistidine tag.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Gly396
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured by the ability of the immobilized protein to support the adhesion of Jurkat Human acute T cell leukemia cells. When 8x10E4 cells/well are added to mCD6-His coated plates (5 µg/mL and 100 µL/well) in the presence of 10µg/ml PHA, approximately > 45% cells will adhere specifically after 60 minutes at 37°C.
<b>Molecular Mass</b>	The secreted recombinant Mouse CD6 comprises 391 amino acids and has a calculated molecular mass of 42.6 kDa. As a result of glycosylation, the apparent molecular mass of the recombinant protein is approximately 60-70 kDa in SDS-PAGE under reducing conditions
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method

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<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Storage</b>	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.
<b>Reconstitution</b>	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

<b>Gene Name</b>	Cd6 CD6 antigen [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	CD6
<b>Synonyms</b>	CD6; CD6 antigen; T-cell differentiation antigen CD6;
<b>Gene ID</b>	12511
<b>mRNA Refseq</b>	NM_001037801
<b>Protein Refseq</b>	NP_001032890

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