

Active Recombinant Mouse Cd6 protein(Met1-Val243), hFc-tagged

Cat. No. Cd6-5170M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD6 (Q91WN5) (Met 1-Val 243) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Val243
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 Jurkat human acute T cell leukemia cells. When 8×10E4 cells/well are added to mCD6-Fc coated plates (5 µg/mL and 100 µL/well) in the ppresence of 10µg/ml PHA, approximately > 50% cells will adhere specifically after 60 minutes at 37°C.
Molecular Mass	The recombinant mouse CD6/Fc is a disulfide-linked homodimer. The reduced monomer comprises 621 amino acids and has a calculated molecular mass of 68.2 kDa. As a result of glycosylation, the apparent molecular mass of the monomer is approximately 80-90 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 85 % 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	Cd6 CD6 antigen [<i>Mus musculus</i>]
Official Symbol	Cd6
Synonyms	CD6; CD6 antigen; T-cell differentiation antigen CD6;
Gene ID	12511
mRNA Refseq	NM_001037801
Protein Refseq	NP_001032890

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