

Recombinant Rat CD6 protein(Met1-Asn396), His-tagged

Cat. No. CD6-1144R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat CD6 (Q812A4) (Met1-Asn396) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Asn396
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 rat CD6-His at 10 µg/mL (100 µL/well) can bind rat ALCAM-Fc3, The EC50 of rat ALCAM-Fc3 is 19.5-45.5 ng/ml. 2. 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 ratCD6-His 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 rat CD6 comprises 390 amino acids and predicts a molecular mass of 42.5 kDa. The apparent molecular mass of the recombinant protein is approximately 64-70 kDa in SDS-PAGE under reducing conditions 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	Cd6 Cd6 molecule [Rattus norvegicus]
Official Symbol	CD6
Synonyms	CD6; Cd6 molecule; CD6 antigen; CD6 antigen, Tp120; OX52; MGC108551;
Gene ID	25752
mRNA Refseq	NM_175577
Protein Refseq	NP_783167

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