Active Recombinant Feline CD4, His-tagged

Cat. No. CD4-634F **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Feline CD4 (Accession # NP_001009250) Met1-Leu413 (Lys20Glu, Ser84Cys, Val103Ile, Asn115Asp, Ser142Thr, Ser169Gly & insertions of SerThr between Thr148 and Ser149), fused with a C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Feline
Source	Mammalian Cells
ProteinLength	1-413 a.a.
Predicted N Terminal	Ala22
Form	Lyophilized from a 0.2 μm filtered solution in PBS.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of NIH-3T3 mouse embryonic fibroblast cells.The ED50 for this effect is typically 0.1 - 0.5 μg/mL after a 1 hour incubation at 37 °C. Optimal dilutions should be determined by each laboratory for each application.
Molecular Mass	Recombinant Feline CD4, His-tagged has a calculated MW of 43.3 kDa. In SDS-PAGE migrates as 45-55 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.

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Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

GENE INFORMATION

Gene Name	CD4 CD4 molecule [Felis catus (domestic cat)]
Official Symbol	CD4
Synonyms	CD4; T-cell surface glycoprotein CD4; CD4 antigen; CD4 molecule
Gene ID	493775
mRNA Refseq	NM_001009250
Protein Refseq	NP_001009250
MIM	
Chromosome Location	B4

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