

Datasheet for ABIN7321102
CD5 Protein (CD5) (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	CD5
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD5 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Rat CD5 Protein (His Tag)(Active)
Sequence:	Met1-Pro368
Characteristics:	A DNA sequence encoding the rat CD5 (P51882) (Met1-Pro368) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method
Biological Activity Comment:	Immobilized rat CD5-His at 10 µg/ml (100 µl/well) can bind biotinylated human GST-LCK (Cat: PKSH030426), The EC50 of biotinylated human GST-LCK is 0.9-2.1 µg/ml.

Target Details

Target:	CD5
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Target Details

Alternative Name: CD5 ([CD5 Products](#))

Background: The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD5 is a member of the CD system. CD5 was found to be widely distributed in T-cells and B1 cells which is a subset of IgM-secreting B cells. CD5 also was found expressed in small lymphocytic lymphoma, hairy cell leukaemia and mantle cell lymphoma cells. CD5 serves to weaken the activating stimulus from the BCR so that the B1 cells can only reflect to the very strong stimuli but not the normal tissue proteins.

Synonym: CD5

Molecular Weight: 38.9 kDa

UniProt: [P51882](#)

Application Details

Restrictions: For Research Use only

Handling

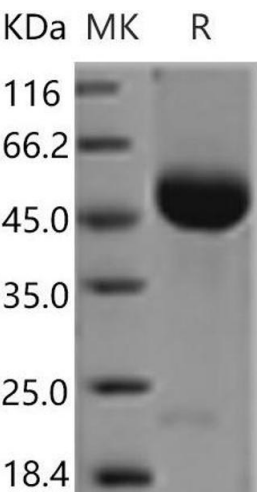
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.