

Datasheet for ABIN7596340

## CD72 Protein (AA 117-359) (hIgG-His-tag)



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### Overview

Quantity:	100 µg
Target:	CD72
Protein Characteristics:	AA 117-359
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD72 protein is labelled with hIgG-His-tag.
Application:	SDS-PAGE (SDS)

### Product Details

Sequence:	RYLQVSQ QLQQTNRVLE VTNSSLRQQL RLKITQLGQS AEDLQGSRRRE LAQSQEALQV EQRAHQAAEG QLQACQADRQ KTKETLQSEE QRRRALEQKL SNMENRLKPF FTCGSADTCC PSGWIMHQKS CFYISLTSKN WQESQKQCET LSSKLATFSE IYPQSHSYFF LNSLLPNGGS GNSYWTGLSS NKDWKLTDDT QRTRTYAQSS KCNKVHKTWS WWTLESESCR SSLPYICEMT AFRFPD
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)

### Target Details

Target:	CD72
Alternative Name:	CD72 ( <a href="#">CD72 Products</a> )

## Target Details

Background:	CD72, also known as B-cell differentiation antigen CD72, is a type II transmembrane glycoprotein carrying a C-type lectin domain. It plays a role in immune system regulation of animals and expressed on B lineage cells, NK cells, monocytes, dendritic cells, and mast cells as a homodimer. Also, this protein associates with CD79A in the B cell antigen receptor (BCR) complex following antigen stimulation and dampens BCR signaling through interactions with the phosphatase SHP1. It binding to Semaphorin 4D induces cytokine production by monocytes and dendritic cells, inhibits SCF R/ckit induced mast cell proliferation and activation, and inhibits the cytolytic activity of NK cells. Moreover, BCR signaling enhances phosphorylation of CD72 and its recruitment of SHP-1. Recombinant human CD72, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	55.3 kDa (485aa)
NCBI Accession:	<a href="#">NP_001773</a>
Pathways:	<a href="#">BCR Signaling</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.