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Datasheet for ABIN1691965

CD72 Protein (AA 117-226) (His tag, TRX tag)

Overview

Quantity:	50 µg
Target:	CD72
Protein Characteristics:	AA 117-226
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD72 protein is labelled with His tag, TRX tag.

Product Details

Purpose:	Recombinant Human B-Cell Differentiation Antigen CD72/Lyb-2 (N-Trx, 6His)
Sequence:	MSDKIIHLTD DSFDTDVLKA DGAILVDFWA EWCGPCKMIA PILDEIADEY QGKLTVAKLN IDQNP GTAPK YGIRGIPTLL LFKNGEVAAT KVGALSKGQL KEFLDANLAG SGSGHMHMHHH HHSSGLVPRG SGMKETAAAK FERQHMDSPD LGTDDDDKAM ADIGSMRYLQ VSQQLQQTNR VLEVTNSSLR QQLRLKITQL GQSAEDLQGS RRELAQSQEA LQVEQRAHQA AEGQLQACQA DRQKTKETLQ SEEQRRRALE QKLSNMENRL KPFFTC
Characteristics:	Recombinant Human B-Cell Differentiation Antigen CD72/CD72 is produced with our E. coli expression system. The target protein is expressed with sequence (Arg117-Cys226) of Human CD72.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	CD72
Alternative Name:	CD72 (CD72 Products)
Background:	<p>B-Cell Differentiation Antigen CD72 (CD72) is a single-pass type II membrane protein. CD72 exists as a disulfide-linked homodimer and contains one C-type lectin domain. CD72 is expressed on B lineage cells, NK cells, monocytes, dendritic cells, and mast cells. CD72 is a ligand for CD5. CD72 associates with CD5, interacts with PTPN6/SHP-1 and plays a role in B-cell proliferation and differentiation. CD72 associates with CD79A in the B cell antigen receptor (BCR) complex following antigen stimulation and dampens BCR signaling through interactions with the phosphatase SHP-1.</p> <p>Alternative Names: B-Cell Differentiation Antigen CD72, Lyb-2, CD72</p>
Molecular Weight:	30.6 kDa
UniProt:	P21854
Pathways:	BCR Signaling

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months