

Datasheet for ABIN7320723

CD5 Protein (CD5) (AA 24-370) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	CD5
Protein Characteristics:	AA 24-370
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD5 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse CD5 Protein (aa 24-370, His Tag)
Sequence:	Gln24-Asn370
Characteristics:	Recombinant Mouse T-Cell Surface Glycoprotein CD5 is produced by our Mammalian expression system and the target gene encoding Gln24-Asn370 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CD5
Alternative Name:	CD5 (CD5 Products)

Target Details

Background:	<p>Background: CD5 is a transmembrane glycoprotein of the conserved scavenger receptor cysteine-rich (SRCR) superfamily and expressed on thymocytes, peripheral T cells and a subset of B cells (B1-a). Moreover, CD5 also was found expressed in small lymphocytic lymphoma, hairy cell leukaemia and mantle cell lymphoma cells. The long cytoplasmic tail of CD5 has no intrinsic enzymatic activity, but contains four tyrosine phosphorylation sites, including an immunoreceptor tyrosine-based (ITAM)-like motif (pseudo-ITAM) and an immunoreceptor tyrosine-based inhibitory (ITIM)-like motif (pseudo-ITIM), as well as multiple potential serine and threonine phosphorylation sites. It physically associates with the T cell antigen receptor (TCR) and B cell antigen receptor (BCR), where it negatively modulates the activation and differentiation signals transduced by these receptors. CD5 also plays an important role in protection from activation-induced cell death and in the recognition of pathogen associated molecular patterns (PAMPS) present on fungal surfaces.</p> <p>Synonym: T-cell surface glycoprotein CD5, CD5, CD5 antigen, CD5 antigen (p56-62), CD5 Molecule, LEU1T-cell surface glycoprotein CD5, Lymphocyte antigen T1,Leu-1, T1, Ly-1</p>
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Molecular Weight:	38.9 kDa
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NCBI Accession:	NP_031676
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Application Details

Restrictions:	For Research Use only
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Handling

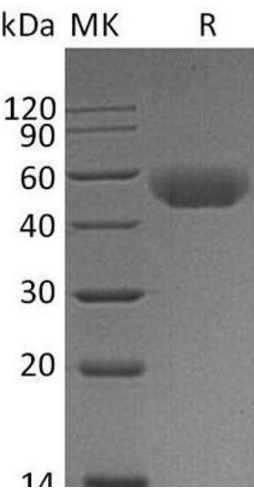
Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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Storage:	4 °C,-20 °C,-80 °C
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Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>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.</p>
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Western Blotting

Image 1.