Recombinant Human CD72 molecule

Cat. No. CD72-4268H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CD72 Human Recombinant (aa 1-98) expressed in E.coli, shows a 38 kDa band on SDS-PAGE. The CD72 is purified by proprietary chromatographic techniques.
Species	Human
Source	Human
ProteinLength	1-98 a.a.
Description	CD72 antigen is a member of the type II integral membrane glycoproteins which includes other related cell surface moleculaes such as the asialoglycoprotein receptors, CD23 and the Kupffer cell recpeotr. The function of CD72 is unknown but the exposure of B cells to CD72 antibodies activates a variety of signaling pathways and can induce MHC class II expression and B cell proliferation. CD72 antigen is expressed on all cells of B cell lineage with the exception of plasma cells and weakly on human tissue macrophages.
Form	CD72 at 100μg/ml in 50mM Tris-HCl, pH7.5, 10mM L-glutathione (reduced).
Physical Appearance	Sterile Filtered clear solution.
Storage	Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months. Please prevent freeze-thaw cycles.

GENE INFORMATION

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Gene Name	CD72 CD72 molecule [Homo sapiens]
Official Symbol	CD72
Synonyms	CD72; CD72 molecule; LYB2; CD72b; B-cell differentiation antigen CD72; lyb-2; CD72 antigen; OTTHUMP00000021342; Lyb-2
Gene ID	971
mRNA Refseq	NM_001782
Protein Refseq	NP_001773
MIM	107272
UniProt ID	P21854
Chromosome Location	9p13.3
Pathway	Axon guidance; B Cell Receptor Signaling Pathway; B cell receptor signaling pathway; BCR signaling pathway; Sema4D in semaphorin signaling; Semaphorin interactions
Function	binding; protein binding; receptor binding; sugar binding; transmembrane receptor activity

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