Recombinant Human CD72/Lyb-2 Protein (Trx&His)
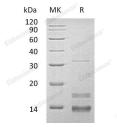
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Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms	B-Cell Differentiation Antigen CD72;Lyb-2;CD72
Species	Human
Expression Host	E.coli
Sequence	Arg117-Cys226
Accession	P21854
Calculated Molecular Weight	30.6 kDa
Observed molecular weight	26-35 kDa
Tag	N-Trx-His

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB,150mM NaCl,pH7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual
Reconstitution	Please refer to the printed manual for detailed information.

Data

> 90 % as determined by reducing SDS-PAGE.

Background

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.

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