



Recombinant Protein Technical Manual
Recombinant Human CD72/Lyb-2 Protein (Trx&His)
RPES3362

Product Data:

Product SKU: RPES3362

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P21854

Protein Information:

Molecular Mass: 30.6 kDa

AP Molecular Mass: 14&17&32 kDa

Tag: N-Trx

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. 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.

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.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: B-Cell Differentiation Antigen CD72; Lyb-2; CD72

Immunogen Information:

Sequence: Arg117-Cys226

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 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.