



Recombinant Protein Technical Manual

Recombinant Mouse CD5L Protein (His Tag)

RPES4114

Product Data:

Product SKU: RPES4114

Size: 50µg

Species: Mouse

Expression host: HEK293 Cells

Uniprot: NP_033820.2

Protein Information:

Molecular Mass: 38 kDa

AP Molecular Mass:

Tag: C-His

Bio-activity:

Purity: > 98 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg of the protein 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 sterile PBS, pH 7.4

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

Application:

Synonyms: CD5 antigen-like; Apoptosis inhibitor expressed by macrophages; Apoptosis inhibitory 6; CT-2; SP-alpha; Cd5l; Aim; Api6; AAC1; AI047839; Api6; CT2; Pdp; Sp-alpha

Immunogen Information:

Sequence: Met 1-Val 352

Background:

CD5L, also known as CD5 antigen-like, is a soluble protein belonging to group B of the scavenger receptor cysteine-rich (SRCR) superfamily and contains three SRCR domains. It is a secreted glycoprotein and expressed by macrophages present in lymphoid tissues (spleen, lymph node, thymus, and bone marrow). It binds to myelomonocytic and lymphoid cells and may play an important role in the regulation of the innate and adaptive immune systems. CD5L functions as a pattern recognition molecule by binding both lipoteichoic acid (LTA) on Gram positive and lipopolysaccharide (LPS) on Gram negative bacteria. and the SRCR domain 1 of CD5L retains both the LPS and LTA binding activities. In addition, it is revealed that CD5L seems to play a role as an inhibitor of apoptosis.