



Recombinant Protein Technical Manual

Recombinant Mouse CD27/TNFRSF7 Protein (Fc & His Tag)

RPES4700

Product Data:

Product SKU: RPES4700

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: NP_001028298.1

Protein Information:

Molecular Mass: 45.8 kDa

AP Molecular Mass: 60-66 kDa

Tag: C-Fc-6His

Bio-activity:

Purity: > 95 % as determined by SDS-PAGE.

Endotoxin: < 1.0 EU per g 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 0.2µm filtered solution of PBS, pH7.4.

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

Application:

Synonyms: CD27 antigen; CD27L receptor; T-cell activation antigen CD27; Tumor necrosis factor receptor superfamily member 7; S152; Tnfrsf7; Tp55

Immunogen Information:

Sequence: Pro24-Arg182

Background:

Mouse CD27 is a single-pass type I membrane protein which is a member of the tumor necrosis factor receptor superfamily. CD27 is required for generation and long-term maintenance of T cell immunity. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis. CD27 transduces signals that lead to the activation of NF- κ B and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 have been shown to mediate the signaling process of this receptor. CD27-binding protein (SIVA), a proapoptotic protein, can bind to this receptor and is thought to play an important role in the apoptosis induced by this receptor.