

Recombinant Mouse CD27/TNFRSF7 Protein (Fc Tag)

RPES8477



Product Information

Product SKU: RPES8477	Expression Host: Mammalian	Size: 20µg
Tag: C-Fc	Reactivity: Mouse	Accession: P41272

Additional Information

Calculated MW: 42.4 kDa	Observed MW: 60 kDa
Sequence: Pro24-Arg182	

Protein Information

Background: CD27, also known as TNFRSF7, is a member of the TNF-receptor superfamily limited to cells of the lymphoid lineage, and exists as both a dimeric glycoprotein on the cell surface and as a soluble protein in serum. As a type I transmembrane glycoprotein of about 55 kDa existing as disulfide-linked homodimer, CD27 has been shown to play roles in lymphoid proliferation, differentiation, and apoptosis. It has an important role in the generation of T cell immunity and is a robust marker for normal memory B cells. It is a T and B cell co-stimulatory molecule, the activity of CD27 is governed by its TNF-like ligand CD70 on lymphocytes and dendritic cells. The CD27-CD70 interaction is required for Th1 generation responses to differentiation signals and long-term maintenance of T cell immunity, and meanwhile, plays a key role in regulating B-cell differentiation, activation and immunoglobulin synthesis.

Synonyms: Tnfrsf, Tnfrsf7, Cd27, T14, S152, TNFRSF7, CD27 antigen, CD27L receptor, S152, T-cell activation antigen CD27, Tp55, Tumor necrosis factor receptor superfamily member 7

Endotoxin: < 1.0 EU/mg of the protein as determined by the LAL method

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

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

Bio-Activity: Not validated for activity

Contact Details | Dublin, Ireland

Email: techsupport@assaygenie.com | Web: www.assaygenie.com

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Storage:

Generally, 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.