

A Reliable Research Partner in Life Science and Medicine

## Recombinant Mouse CD27/TNFRSF7 Protein(Fc Tag)

Catalog Number: PDMM100150

Note: Centrifuge before opening to ensure complete recovery of vial contents.

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**Species** Mouse

Source HEK293 Cells-derived Mouse CD27/TNFRSF7 proteins Pro24-Arg182, with an C-

terminal Fc

Calculated MW 42.4 kDa
Observed MW 60 kDa
Accession P41272

Bio-activity Not validated for activity

#### **Properties**

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

Endotoxin < 1.0 EU/mg 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°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 in PBS with 5% Trehalose and 5%

Mannitol.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution

of 0.5 mg/mL. Concentration is measured by UV-Vis.

### Data



SDS-PAGE analysis of Mouse CD27/TNFRSF7 proteins ,  $2\mu g$ /lane of Recombinant Mouse CD27/TNFRSF7 proteins was resolved with SDS-PAGE under reducing conditions , showing bands at 60 KD

## **Background**

 Toll-free: 1-888-852-8623
 Tel: 1-832-243-6086
 Fax: 1-832-243-6017

 Web: www.elabscience.com
 Email: techsupport@elabscience.com

# **Elabscience®**

#### Elabscience Bionovation Inc.

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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 an 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.

For Research Use Only

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