

# Human CellExp™ CD27 / TNFRSF7, Fc Tag, Mouse Recombinant

03/19

**CATALOG NO:** P1406-10 10 µg  
P1406-50 50 µg

**ALTERNATE NAMES:** CD27, TNFRSF7, S152, T14, Tp55

**MOL. WT.** This protein carries a mouse IgG2a Fc tag at the C-terminus. The protein has a calculated MW of 45.1 kDa. The protein migrates as 55-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation

**SOURCE:** HEK 293 cells

**PURITY:** >95% SDS-PAGE

**ENDOTOXIN:** Less than 0.1 EU per µg by the LAL method

**FORM:** Lyophilized

**FORMULATION:** Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5. Normally trehalose is added as protectant before lyophilization.

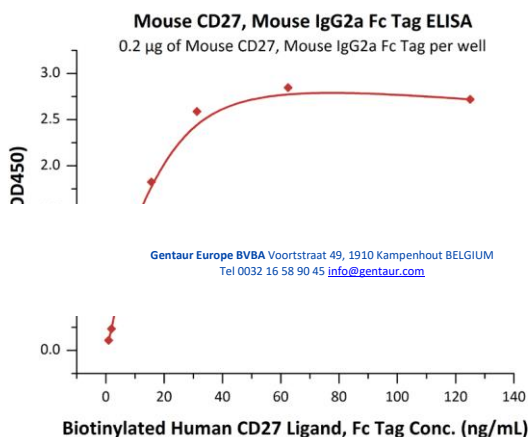
**RECONSTITUTION:** Reconstitute in sterile deionized water to the desired protein concentration.

**SPECIFIC ACTIVITY:** Immobilized Mouse CD27, Mouse IgG2a Fc Tag at 2 µg/mL (100 µL/well) can bind Biotinylated Mouse CD70, His Tag, Avi Tag with a linear range of 1-16 ng/mL.  
Immobilized Mouse CD27, Mouse IgG2a Fc Tag at 2 µg/mL (100 µL/well) can bind Biotinylated Human CD27 Ligand, Fc Tag with a linear range of 1-16 ng/mL

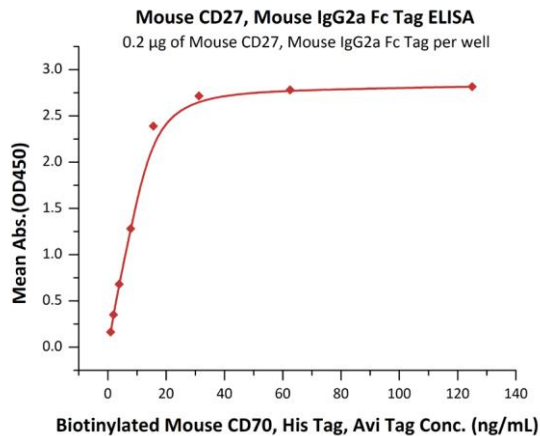
**STORAGE CONDITIONS:** Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles. -20°C

**DESCRIPTION:** CD Antigen CD27 is also known as Tumor necrosis factor receptor superfamily member 7 (TNFRSF7), which belongs to TNF-receptor superfamily. CD27 / TNFRSF7 is found in most T-lymphocytes. CD27 / TNFRSF7 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. This receptor transduces signals that lead to the activation of NF-κB and MAPK8/JNK. CD27 has been shown to interact with SIVA1, TRAF2 and TRAF3.

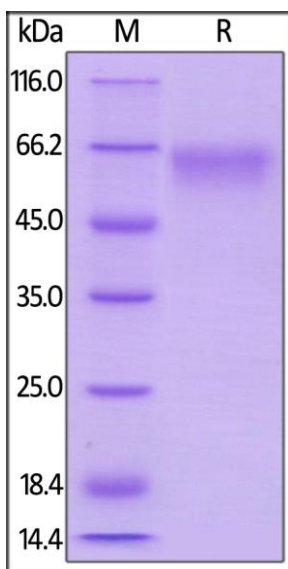
**AMINO ACID SEQUENCE:** AA Thr 21 - Arg 182



Immobilized Mouse CD27, Mouse IgG2a Fc Tag at 2 µg/mL (100 µL/well) can bind Biotinylated Human CD27 Ligand, Fc Tag with a linear range of 1-16 ng/mL



Immobilized Mouse CD27, Mouse IgG2a Fc Tag at 2 µg/mL (100 µL/well) can bind Biotinylated Mouse CD70, His Tag, Avi Tag with a linear range of 1-16 ng/mL



Mouse CD27, Mouse IgG2a Fc Tag on SDS-PAGE under reducing (R) condition.

#### RELATED PRODUCTS:

Human CellExp™ CD27 Ligand/ CD70, Fc Tag, Mouse Recombinant (P1367)  
 Human CellExp™ CD27 Ligand/ CD70, Human Recombinant (P1381)  
 Human CellExp™ CD27 / TNFRSF7, Human recombinant (9243)  
 Human CellExp™ CD27 Ligand/ CD70, Fc Tag, Human Recombinant (P1366)

**FOR RESEARCH USE ONLY! Not to be used on humans.**

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