

37-1347: Mouse CD40L / CD154 / TNFSF5 Recombinant Protein (Fc Tag)(Discontinued)

Reactivity : Mouse

CD154 Protein, Mouse; CD40-L Protein, Mouse; Cd40l Protein, Mouse; gp39 Protein, Mouse; HIGM1

Alternative Name : Protein, Mouse; IGM Protein, Mouse; IMD3 Protein, Mouse; Ly-62 Protein, Mouse; Ly62 Protein, Mouse; T-BAM Protein, Mouse; Tnfsf5 Protein, Mouse; TRAP Protein, Mouse

Description

Source : HEK293 Cells

The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 32 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD154, also known as CD4 ligand or CD4L, is a member of the TNF superfamily. While CD154 was originally found on T cell surface, its expression has since been found on a wide variety of cells, including platelets, mast cells, macrophages and NK cells. CD154's ability is achieved through binding to the CD4 on antigen- presenting cells (APC). In the macrophage cells, the primary signal for activation is IFN-gamma from Th1 type CD4 T cells. The secondary signal is CD4L on the T cell, which interacting with the CD4 molecules, helping increase the level of activation. Cancer Immunotherapy Co-stimulatory Immune Checkpoint Targets Immune Checkpoint Immune Checkpoint Detection: Antibodies Immune Checkpoint Detection: ELISA Antibodies Immune Checkpoint Detection: WB Antibodies Immune Checkpoint Proteins Immune Checkpoint Targets Immunotherapy Targeted Therapy

Product Info

Amount : Mouse CD40L / CD154 / TNFSF5 Recombinant Protein (Fc Tag)(Discontinued) / 50 µg

Purification : > 80 % as determined by SDS-PAGE

Formulation Lyophilized from sterile PBS, pH 7.4

Content : Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Storage condition : Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Amino Acid : Gly115-Leu260

Application Note

1. Measured by its binding ability in a functional ELISA. 2. Immobilized mouse CD40L-Fc at 10 Åµg/mL (100 ÅµL/well) can bind biotinylated mouse CD40-Fch , The EC50 of biotinylated mouse CD40-Fch is 33-49 ng/mL.

Endotoxin :< 1.0 EU per Åµg of the protein as determined by the LAL method

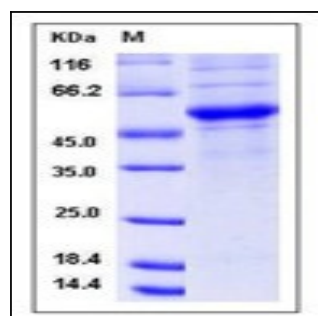


Fig 1: Mouse CD40L / CD154 / TNFSF5 Recombinant Protein (Fc Tag)