

37-1198: Mouse FLT-3 / CD135 / FLK-2 Recombinant Protein (His Tag)(Discontinued)

Reactivity : Mouse
Alternative Name : B230315G04 Protein, Mouse; CD135 Protein, Mouse; Flk-2 Protein, Mouse; Flk2 Protein, Mouse; Flt-3 Protein, Mouse; Ly72 Protein, Mouse; wmlf 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. CD135, also known as FLT-3, FLK-2, is a member of the CD system. CD135 is an important cell surface marker recognized by specific sets of antibodies to identify the types of hematopoietic (blood) progenitors in the bone marrow and its function to differentiate hematopoietic stem cells, which are CD135 negative, from multipotent progenitors, which are CD135 positive. CD135 is a receptor tyrosine kinase type III for the cytokine Flt3 ligand and activates signaling through second messengers by binding to Flt3. Signaling through CD135 is important for lymphocyte development. The encoding gene CD135 is a proto-oncogene to which mutations happened will lead to cancer such as leukemia. Cancer Immunotherapy Immune Checkpoint Immunotherapy Targeted Therapy

Product Info

Amount : 2 Recombinant Protein (His Tag)(Discontinued) / 50 µg
Purification : > 75 % as determined by SDS-PAGE
Content : Formulation Lyophilized from sterile PBS, pH 7.4. 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 : Met1-Ser544

Application Note

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

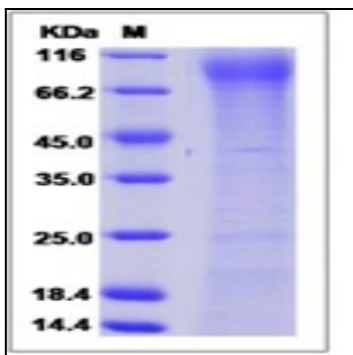


Fig 1: Mouse FLT-3 / CD135 / FLK-2 Recombinant Protein (His Tag)