

## 37-1135: Human CD19 Recombinant Protein (Fc Tag)(Discontinued)

**Reactivity :** Human  
**Alternative Name :** B4 Protein, CVID3 Protein,

### 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. Cluster of differentiation 19 (CD19) is a member of CD system. CD19 is a cell surface molecule that assembles with the antigen receptor of B-cells. This results in a descent in threshold for antigen receptor-dependent stimulation. A simplified view holds that the ability of B-cells to respond to the various antigens in a specific and sensitive manner is achieved in the presence of low-affinity antigen receptors. CD19 primarily acts as a B-cell coreceptor in conjunction with CD21 and CD81. The formation of the receptor complex is induced by antigen and CD19, induced by exogenous antigen, has been found cytoplasmic tail phosphorylated and bind to slg. Cancer Immunotherapy Immune Checkpoint Immunotherapy Targeted Therapy

### Product Info

**Amount :** Human CD19 Recombinant Protein (Fc Tag)(Discontinued) / 50 µg  
**Purification :** > 95 % 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-Lys291

### Application Note

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

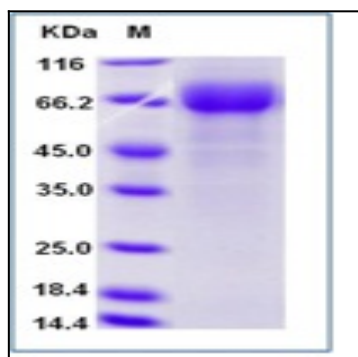


Fig 1: Human CD19 Recombinant Protein (Fc Tag)