

37-1102: Human LY86 / MD-16 Recombinant Protein (Fc Tag)(Discontinued)

Reactivity : Human

Alternative Name : dj80N2.1 Protein, MD-1 Protein, MD1 Protein, MMD-1 Protein,

Description

Source : HEK293 Cells

MD-1 and MD-2 are secretory glycoproteins that exist on the cell surface in complexes with transmembrane proteins. MD-1 is anchored by radioprotective 15 (RP15) which is a molecule containing leucine-rich repeats and is expressed on B cells, dendritic cells and macrophages, while MD-2 is associated with TLR4. MD-1 is required for efficient RP15 cell surface expression and function. It is indicated that the RP15/MD1 complex, in conjunction with TLR4, mediates the innate immune response to LPS in B cells, and also plays a role in protecting against apoptosis, B-cell proliferation, etc. Mouse MD-1 cDNA encodes a 162 amino acid precursor protein with a putative 19 aa signal peptide and two potential N-linked glycosylation sites. It shares 4% and 66% amino acid sequence identity with chicken and human MD-1 respectively. MD-1 is mainly expressed in spleen, and also detectable in liver, brain, thymus, and kidney.

Product Info

Amount : 16 Recombinant Protein (Fc Tag)(Discontinued) / 100 µg

Purification : > 85 % 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-Ser162

Application Note

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

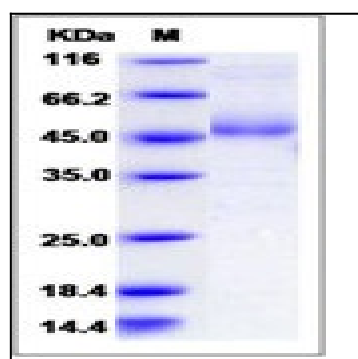


Fig 1: Human LY86 / MD-16 Recombinant Protein (Fc Tag)