

Recombinant Human CD8A / MAL Protein (His tag)

db58581

Package : 10µg 50µg 100µg 1mg

Product Name : Recombinant Human CD8A / MAL Protein (His tag)**Cat.No.:** db58581**Synonyms** : CD8;CD8 alpha;Leu-2;Leu2;MAL;p32;p32 186910**Application** : Positive Control, Immunogen, SDS-PAGE, WB**Tag** : C-His**Expression host** : HEK293 Cells**Species** : Human**Background**

Integral membrane glycoprotein that plays an essential role in the immune response and serves multiple functions in responses against both external and internal offenses. In T-cells, functions primarily as a coreceptor for MHC class I molecule:peptide complex. The antigens presented by class I peptides are derived from cytosolic proteins while class II derived from extracellular proteins. Interacts simultaneously with the T-cell receptor (TCR) and the MHC class I proteins presented by antigen presenting cells (APCs). In turn, recruits the Src kinase LCK to the vicinity of the TCR-CD3 complex. LCK then initiates different intracellular signaling pathways by phosphorylating various substrates ultimately leading to lymphokine production, motility, adhesion and activation of cytotoxic T-lymphocytes (CTLs). This mechanism enables CTLs to recognize and eliminate infected cells and tumor cells. In NK-cells, the presence of CD8A homodimers at the cell surface provides a survival mechanism allowing conjugation and lysis of multiple target cells. CD8A homodimer molecules also promote the survival and differentiation of activated lymphocytes into memory CD8 T-cells.

Gene ID	925
Swiss Prot	P01732
Synonyms	CD8;CD8 alpha;Leu-2;Leu2;MAL;p32;p32 186910
Application	Positive Control, Immunogen, SDS-PAGE, WB
Molecular Weight	19 kDa
Species	Human
Purity	>90% as determined by SDS-PAGE.
Seq	Met 1-Asp 182
Tag	C-His
Formulation	Freeze-dried powder

Storage Stability

Store at 2-8℃ for one month. Aliquot and store at -80℃ for 12 months. Avoid repeated freeze/thaw cycles.

15% SDS PAGE(reduced) analysis of Recombinant Human CD8A / MAL Protein (His tag)

