

General Information

Gene Name Synonym

T-cell surface glycoprotein Lyt-2

Protein Construction

A DNA sequence encoding the extracellular domain of mouse CD8a (NP_001074579.1) (Met 1-Tyr 196) was expressed, with a C-terminal polyhistidine tag.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to bind biotinylated recombinant human B2M in a functional ELISA.
2. Measured by its ability to bind biotinylated recombinant human FCGRT+B2M in a functional ELISA.
3. Measured by its ability to bind biotinylated recombinant human LCK in a functional ELISA.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

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

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Lys 28

Molecular Mass

The secreted recombinant mouse CD8a consists of 180 amino acids and has a calculated molecular mass of 20.3 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 35 kDa protein in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

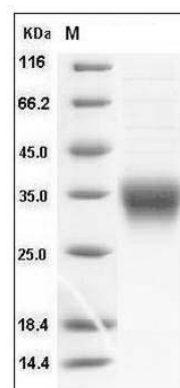
Storage

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.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Mouse CD8a / Lyt2 Protein (His Tag) SDS-PAGE