

## General Information

### Protein Construction

A DNA sequence encoding the Ferret (*Mustela putorius furo*) CD8A (ABS50091.1) extracellular domain (Met 1-Glu 186) was expressed, with a C-terminal polyhistidine tag.

### Organism

Ferret

### 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

> 92 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Gly 23

### Molecular Mass

The recombinant Ferret CD8A consists of 175 amino acids and has a calculated molecular mass of 19.5 kDa. The apparent molecular mass of the recombinant protein is approximately 28-33 kDa in SDS-PAGE under reducing conditions due to glycosylation.

### 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

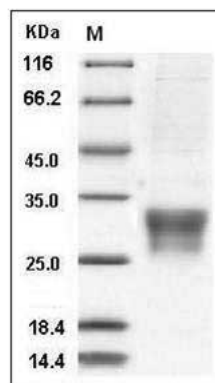
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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



Ferret CD8A / CD8 alpha chain Protein (His Tag)  
SDS-PAGE