# Human LFA-3 / CD58 (Fc Tag) recombinant protein

Catalog Number: 501121

## General Information

### Protein Construction

A DNA sequence encoding the human CD58 (Q9BRW0) (Met1-Arg215) was expressed with the Fc region of human IgG1 at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA. Immobilized human CD2-His (Cat:502112) at 10 μg/ml (100 μl/well) can bind human CD58-Fc, The $EC_{50}$ of human CD58-Fc is 0.04-0.1 μg/ml.
2. Measured by its binding ability in a functional ELISA. Immobilized Cynomolgus CD2-His (Cat:502266) at 10 μg/ml (100 μl/well) can bind human CD58-Fc, The $EC_{50}$ of human CD58-Fc is 0.04-0.10 μg/ml.

### 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℃

### Predicted N terminal

Phe 29

### Molecular Mass

The recombinant human CD58/Fc is a disulfide-linked homodimer. The reduced monomer comprises 428 amino acids and has a predicted molecular mass of 48.5 kDa. The apparent molecular mass of the protein is approximately 68 kDa 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

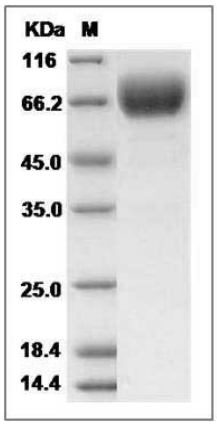
### Storage

Store it under sterile conditions at -20℃ to -80℃. 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




Human LFA-3 / CD58 Protein (Fc Tag) SDS-PAGE