

# Mouse CD226/DNAM-1 (His & Fc Tag) recombinant protein



Catalog Number: 503730

## General Information

### Gene Name Synonym

CD226 antigen, isoform CRA\_b; Dnam-1

### Protein Construction

A DNA sequence encoding the mouse DNAM1 (NP\_848802.2) extracellular domain (Met 1-Pro 254) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to bind recombinant mouse CD155/PVR. Immobilized recombinant mouse CD155/PVR at 1 µg/ml (100 µl/well) can bind recombinant mouse CD226/DNAM-1 with a linear range of 0.78-100 ng/ml.

### Purity

> 97 % 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

Glu 19

## Molecular Mass

The recombinant mouse DNAM1/Fc is a disulfide-linked homodimer. The reduced monomer consists of 484 amino acids and has a predicted molecular mass of 55 kDa. As a result of glycosylation, rm DNAM1/Fc monomer migrates with an apparent molecular mass of 70-80 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

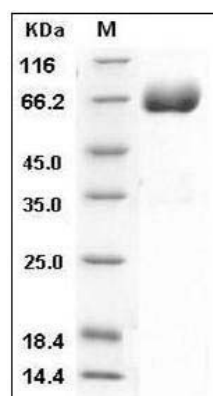
### Storage

Store it under sterile conditions at -20°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 CD226 / DNAM-1 Protein (His & Fc Tag)  
SDS-PAGE