

## General Information

### Gene Name Synonym

B-cell differentiation antigen LP-3; Leukocyte sialoglycoprotein; Lymphocyte antigen 48; Sialophorin

### Protein Construction

A DNA sequence encoding the extracellular domain of mouse SPN (P15702) (Met 1-Gly 248) was fused with the Fc region of human IgG1 at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Purity

> 80 % 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

Asp 20

### Molecular Mass

The secreted recombinant mouse SPN/Fc is a disulfide-linked homodimer. The reduced monomer comprises 470 amino acids and has a calculated molecular mass of 49.6 kDa. As a result of glycosylation, the apparent molecular mass of rmSPN/Fc monomer is approximately 110 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

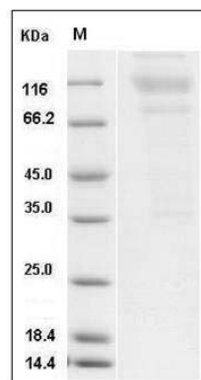
Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ .

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



Mouse SPN / CD43 Protein (Fc Tag) SDS-PAGE