

## General Information

### Gene Name Synonym

CD11 antigen-like family member C; Leu M5; Leukocyte adhesion glycoprotein p150,95 alpha chain; Leukocyte adhesion receptor p150,95; CD antigen CD11c

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Pro 1107) of human ITGAX (P20702) was fused with a flag tag at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the extracellular domain (Met 1-Asn 700) of human ITGB2 (P05107) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the heterodimer was purified.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 90 % 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

Phe 20 & Gln 21

## Molecular Mass

The recombinant heterodimer of human ITGAX/ITGB2 comprises 1879 (1130+718) amino acids and has a calculated molecular mass of 205 (125+80) kDa. As a result of glycosylation, the apparent molecular mass of rh ITGAX/ITGB2 heterodimer is approximately 95 & 130 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

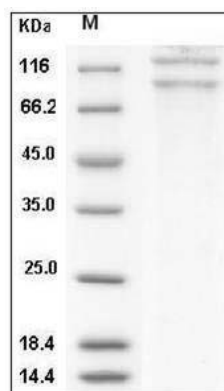
### Storage

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



Human ITGAX & ITGB2 Heterodimer Protein SDS-PAGE