

# Mouse Integrin alpha L beta 2 (ITGAL&ITGB2) Heterodimer Protein

Cat. No. ITG-MM1LB

## Description

<b>Source</b>	Recombinant Mouse Integrin alpha L beta 2 (ITGAL&ITGB2) Heterodimer Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Tyr24-His1087 (ITGAL) acidic tail & Gln24-Asn702 (ITGB2) basic tail.
<b>Accession</b>	P24063-1(ITGAL)&P11835(ITGB2)
<b>Molecular Weight</b>	The protein has a predicted MW of 123.30 kDa (ITGAL) and 79.60 kDa (ITGB2). Due to glycosylation, the protein migrates to 160-180 kDa (ITGAL) and 90-105 kDa (ITGB2) based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Integrin  $\alpha$ L $\beta$ 2 is one member of the integrin family and also called leukocyte function-associated antigen-1 (LFA-1). It is widely expressed on T lymphocytes and controls the function and, in particular, the migration of immune cells[1]. Active  $\alpha$ L $\beta$ 2 can bind ICAM1/CD54, ICAM2, ICAM3 and JAM1[2].

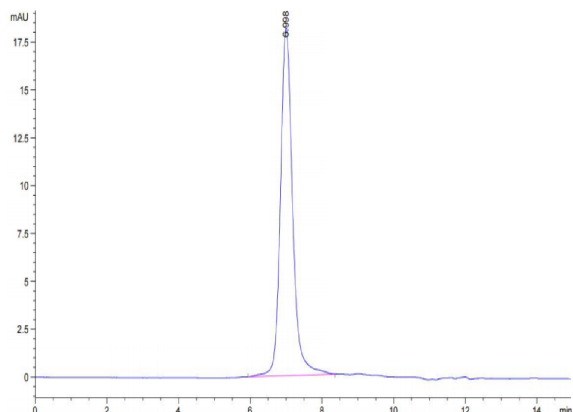
## Assay Data

### Bis-Tris PAGE



Mouse ITGAL&ITGB2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Mouse ITGAL&ITGB2 is greater than 95% as determined by SEC-HPLC.