

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

Catalog No.: RP03160 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	16408 □16414	P24063-1(ITGAL)&P11835(ITGB2)

## Tags

C-His

## Synonyms

$\alpha$ L $\beta$ 2; ITGAL&ITGB2; ITGAL; ITGB2

## Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE. ≥ 95 % as determined by HPLC.

Calculated MW	Observed MW
123.30 kDa	160-180 kDa(ITGAL)&90-105 kDa(ITGB2)

## Endotoxin

< 1 EU/ $\mu$ g of the protein by LAL method.

## Formulation

Lyophilized from a 0.22  $\mu$ m filtered solution of PBS, pH 7.4.

## Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-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. Active  $\alpha$ L $\beta$ 2 can bind ICAM-1/CD54, ICAM2, ICAM3 and JAM1.

## Basic Information

### Description

Recombinant Mouse Integrin alpha L beta 2 (ITGAL&ITGB2) Heterodimer Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence ( P24063-1(ITGAL)&P11835(ITGB2) ) of Mouse Integrin alpha L beta 2 (LFA-1) Heterodimer (Accession #P24063-1(ITGAL)&P11835(ITGB2) ) fused with and his tag at the C-terminus.

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

## Contact

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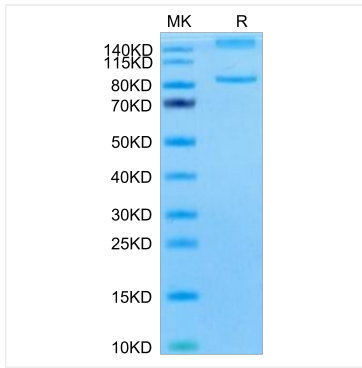


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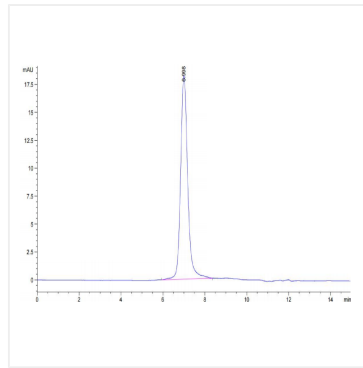
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## Validation Data

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Recombinant Mouse Integrin alpha L beta 2 (ITGAL&ITGB2) Heterodimer Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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