

# Recombinant Human Integrin alpha X beta 2 (ITGAX&ITGB2) Heterodimer Protein

Catalog No.: RP03247 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	3687&3689	P20702-1(ITGAX)&P05107-1(ITGB2)

### Tags

C-His

### Synonyms

$\alpha$ X $\beta$ 2; CD11C; SLEB6; CD18; ITGAX&ITGB2; ITGA; ITGB2

## Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE and HPLC.

### Endotoxin

< 1.0 EU/ $\mu$ g of the protein by LAL method.

### Formulation

Lyophilized from a 0.22  $\mu$ m filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### 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 freeze-thaw cycles.

## Background

The integrin alpha X beta 2 (CD11c/CD18, p150,95) binds ligands through the I domain of the alpha X subunit. Ligands include the complement factor fragment iC3b, a key component in the innate immune defense, which, together with the expression of alpha X beta 2 on dendritic cells and on other leukocytes, suggests a role in the immune response.

## Basic Information

### Description

Recombinant Human Integrin alpha X beta 2 (ITGAX&ITGB2) Heterodimer Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence ((Phe20-Pro1107)(ITGAX)&(Gln23-Asn700)(ITGB2)) of human Integrin alpha X beta 2 (Accession #P20702-1&P05107-1) fused with His tag at the C-terminus.

### Bio-Activity

Immobilized Human ITGAX&ITGB2, His Tag at 1  $\mu$ g/mL (100  $\mu$ L/well) on the plate. Dose response curve for Anti-ITGB2 Antibody, hFc Tag with the EC<sub>50</sub> of 26.8 ng/mL determined by ELISA.

### Storage

Store the lyophilized protein at -20°C to -80°C for 12 months. 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.

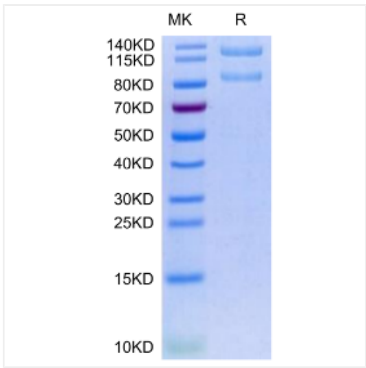
## Contact

☎ | 400-999-6126

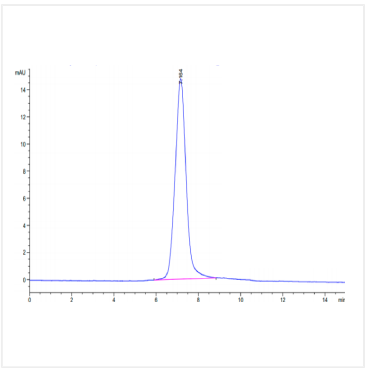
✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

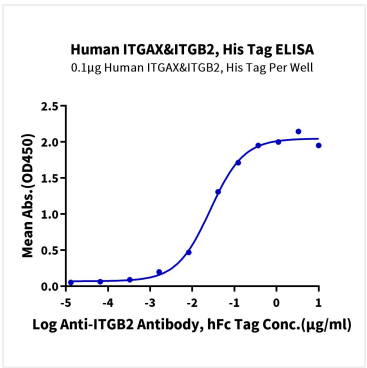
Validation Data



Recombinant Human Integrin alpha X beta 2 (ITGAX&ITGB2) Heterodimer Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 130-135 kDa (ITGAX) and 85-95 kDa (ITGB2).



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



Immobilized Human ITGAX&ITGB2, His Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-ITGB2 Antibody, hFc Tag with the EC<sub>50</sub> of 26.8 ng/mL determined by ELISA.