

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

Catalog No.: RP03247

Sequence Information

Species **Gene ID**
Human 3687&3689

Swiss Prot **Tags**
P20702-1(ITGAX) C-His
&P05107-1
(ITGB2)

Synonyms

α X β 2; CD11C; SLEB6; CD18;
ITGAX&ITGB2; ITGA; ITGB2

Product Information

Source **Purification**
HEK293 cells $\geq 95\%$ as
determined by
Tris-Bis PAGE; $\geq$
95% as
determined by
HPLC.

Calculated MW **Observed MW**
125.50 kDa 130-135 kDa
(ITGAX)&79.50 (ITGAX)&85-95
kDa(ITGB2) kDa(ITGB2) kDa

Endotoxin

< 1 EU/ μ g of the protein by LAL
method.

Formulation

Lyophilized from a 0.22 μ 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 free-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.

Activity

Immobilized Human ITGAX&ITGB2, His Tag at 1 μ g/mL (100 μ L/well) on the plate. Dose response curve for Anti-ITGB2 Antibody, hFc Tag with the EC₅₀ of 26.8 ng/mL determined by ELISA.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

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

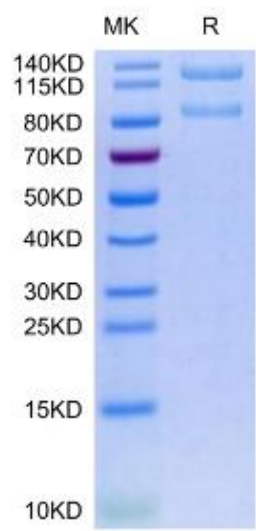
Contact

☎ | 400-999-6126

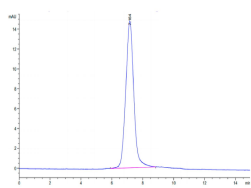
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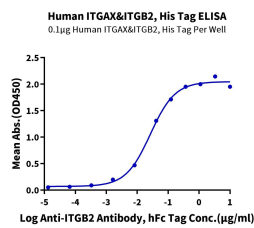
Validation Data



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



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 EC₅₀ of 26.8 ng/mL determined by ELISA.