## PRODUCT INFORMATION

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|---|---|
| **Target** | ITGAX and ITGB2 |
| **Synonyms** | Integrin alpha-XandIntegrin beta-2 |
| **Description** | Heterodimer protein contains recombinant human ITGAX protein with C-terminal 6×His tag and human ITGB2 protein with C-terminal human Fc tag |
| **Delivery** | In Stock |
| **Uniprot ID** | P20702;P05107 |
| **Expression Host** | HEK293 |
| **Tag** | C-6×His Tag and C-Human Fc Tag |
| **Molecular Characterization** | ITGAX(Phe20-Pro1107) 6×His tag and ITGB2(Gln23-Asn700) hFc(Glu99-Ala330) |
| **Molecular Weight** | The protein has a predicted molecular mass of 120.6 and 101.0 kDa after removal of the signal peptide. The apparent molecular mass of ITGAX-His and ITGB2-hFc is approximately 130-180 kDa due to glycosylation. |
| **Purity** | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| **Formulation & Reconstitution** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| **Storage&Shipping** | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| **Background** | This gene encodes the integrin alpha X chain protein. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This protein combines with the beta 2 chain (ITGB2) to form a leukocyte-specific integrin referred to as inactivated-C3b (iC3b) receptor 4 (CR4). The alpha X beta 2 complex seems to overlap the properties of the alpha M beta 2 integrin in the adherence of neutrophils and monocytes to stimulated endothelium cells, and in the phagocytosis of complement coated particles. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2013] |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

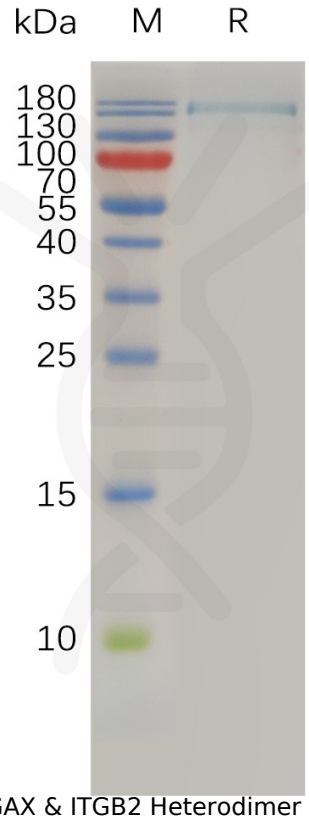


Figure 1. Human ITGAX & ITGB2 Heterodimer Protein, His Tag & hFc Tag on SDS-PAGE under reducing condition.