

PRODUCT INFORMATION

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|---|---|
| Target | KLRG1 |
| Synonyms | CLEC15A;MAFA;MAFAL |
| Description | Recombinant Human KLRG1 protein with N-terminal human Fc |
| Delivery | In Stock |
| Uniprot ID | Q96E93 |
| Expression Host | HEK293 |
| Tag | N-Human Fc Tag |
| Molecular Characterization | hFc(Glu99-Ala330) KLRG1(Leu60-Phe195) |
| Molecular Weight | The protein has a predicted molecular mass of 41.6 kDa after removal of the signal peptide. The apparent molecular mass of hFc-KLRG1 is approximately 55-70 kDa due to glycosylation. |
| Purity | The purity of the protein is greater than 90% 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 | Natural killer (NK) cells are lymphocytes that can mediate lysis of certain tumor cells and virus-infected cells without previous activation. They can also regulate specific humoral and cell-mediated immunity. The protein encoded by this gene belongs to the killer cell lectin-like receptor (KLR) family, which is a group of transmembrane proteins preferentially expressed in NK cells. Studies in mice suggested that the expression of this gene may be regulated by MHC class I molecules. |
| Usage | Research use only |
| Conjugate | Unconjugated |



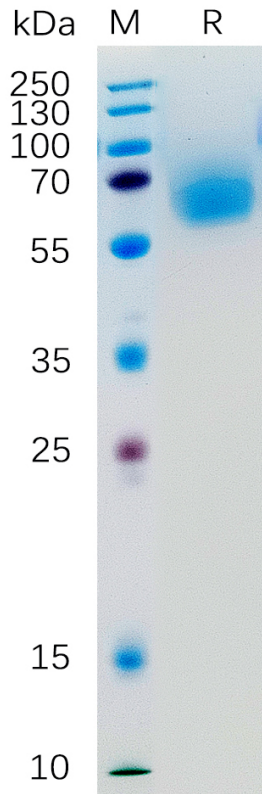


Figure 1. Human KLRG1 Protein, hFc Tag on SDS-PAGE under reducing condition.

Human KLRG1,hFc Tagged protein ELISA

0.2 µg of Human KLRG1, hFc tagged protein per well

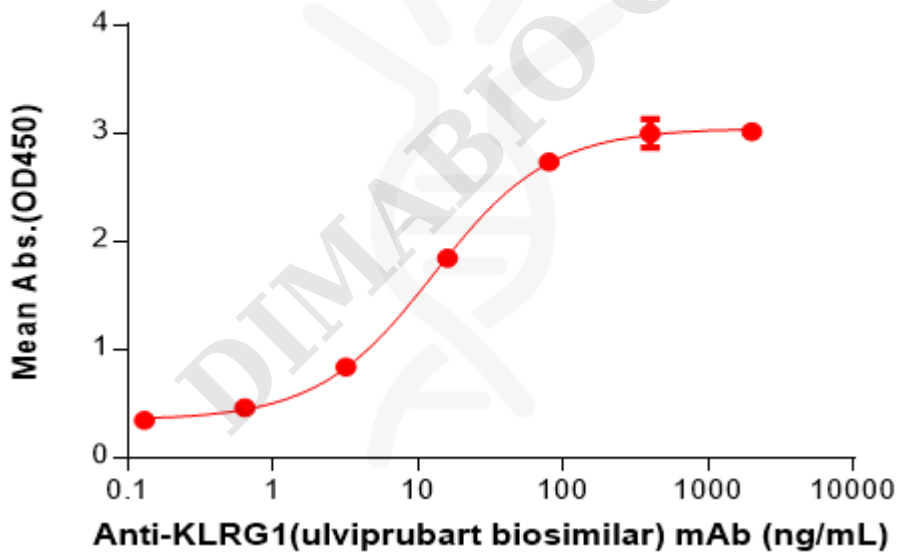


Figure 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human KLRG1 Protein, hFc Tag(PME100321) can bind Anti-KLRG1(ulviprubart biosimilar) mAb(BME100162) in a linear range of 3.20-80 ng/mL.

