HUMAN CD161 PROTEIN

Cat.#: 12276

Product Name: Human CD161 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: NKR;KLRB1;CLEC5B;NKR-P1;NKRP1A;NKR-P1A;hNKR-P1A

Target: CD161

UNIPROT ID: Q12918

Description: Recombinant human CD161 Protein with N-terminal human Fc tag

Background: Natural killer (NK) cells are lymphocytes that mediate cytotoxicity and secrete cytokines after immune stimulation. Several genes of the C-type lectin superfamily, including the rodent NKRP1 family of glycoproteins, are expressed by NK cells and may be involved in the regulation of NK cell function. The KLRB1 protein contains an extracellular domain with several motifs characteristic of C-type lectins, a transmembrane domain, and a cytoplasmic domain. The KLRB1 protein is classified as a type II membrane protein because it has an external C terminus. [provided by RefSeq, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 44.6 kDa after removal of the signal peptide. The apparent molecular mass of hFc-CD161 is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: hFc(Glu99-Ala330) CD161(Gln67-Ser225)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

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.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS

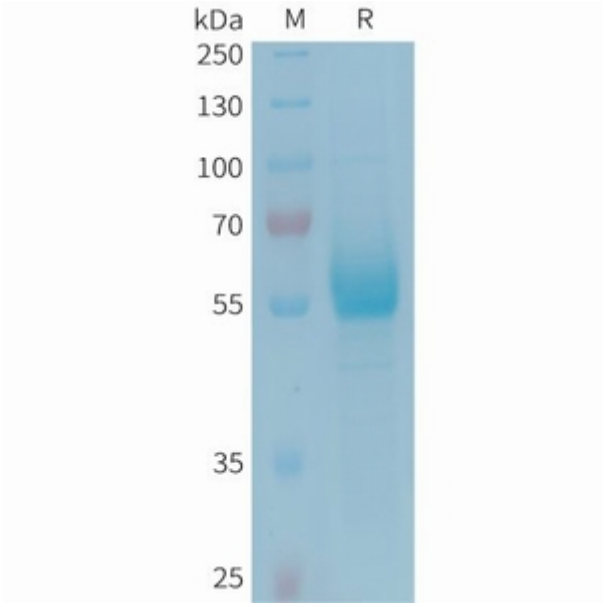

Figure 1. Human CD161 Protein, hFc Tag on SDS-PAGE under reducing condition.