

## HUMAN CLEC4C PROTEIN, HFC TAG

**Cat.#:** 11544

**Product Name:** Human CLEC4C Protein

**Size :** 10 µg, 50 µg and 100 µg

**Synonyms:** BDCA-2;CD303

**Target:** CLEC4C

**UNIPROT ID:** Q8WTT0

**Description:** Recombinant human CLEC4C protein with N-terminal human Fc tag

**Background:** This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signalling, glycoprotein turnover, and roles in inflammation and immune response. The encoded type 2 transmembrane protein may play a role in dendritic cell function. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 46.1 kDa after removal of the signal peptide. The apparent molecular mass of hFc-CLEC4C is approximately 55-70 kDa due to glycosylation.

**Molecular Characterization:** hFc(Glu99-Ala330) CLEC4C(Asn45-Ile213)

**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.



Figure 1. Human CLEC4C Protein, hFc Tag on SDS-PAGE under reducing condition.

### Human CLEC4C, hFc Tagged protein ELISA

0.2 µg of Human CLEC4C, hFc tagged protein per well

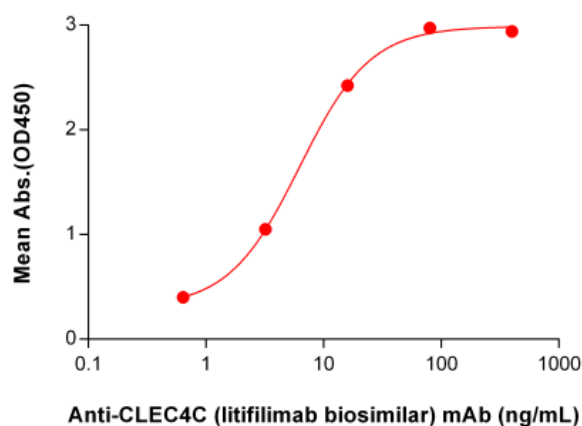


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human CLEC4C Protein, hFc Tag (11544) can bind Anti-CLEC4C (litifilimab biosimilar) mAb (28147) in a linear range of 0.64-80.00 ng/mL.