

HUMAN TACI PROTEIN, HFC TAG

Cat.#: 11213

Product Name: Human TACI Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: CD267;ACI;NFRSF13B

Target: TACI

UNIPROT ID: O14836

Description: Recombinant human TACI Protein with C-terminal Human Fc tag

Background: The protein encoded by this gene is a lymphocyte-specific member of the tumor necrosis factor (TNF) receptor superfamily. It interacts with calcium-modulator and cyclophilin ligand (CAML). The protein induces activation of the transcription factors NFAT, AP1, and NF-kappa-B and plays a crucial role in humoral immunity by interacting with a TNF ligand. This gene is located within the Smith-Magenis syndrome region on chromosome 17.

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 44.5 kDa after removal of the signal peptide. The apparent molecular mass of TACI-hFc is approximately 33-53 kDa due to glycosylation.

Molecular Characterization: TACI(Ser2-Thr166) hFc(Glu99-Ala330)

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.

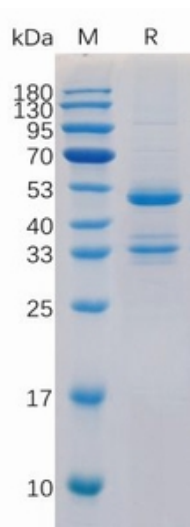


Figure 1. Human TACI Protein, hFc Tag on SDS-PAGE under reducing condition.

Human TACI, hFc tagged protein ELISA
0.1 μ g of Human TACI, hFc tagged protein per well

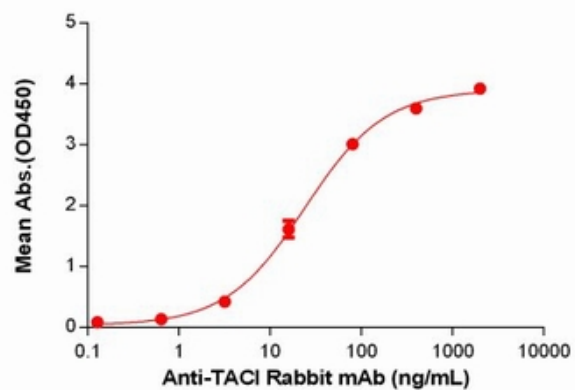


Figure 2. ELISA plate pre-coated by 1 μ g/ml (100 μ l/well) Human TACI Protein, hFc Tag(11213) can bind Anti-TACI Rabbit mAb in a linear range of 3.2-80 ng/mL.