

**HUMAN APRIL PROTEIN, HFC TAG****Cat.#:** 11632**Product Name:** Human APRIL Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** TNFSF13;CD256;TALL2;ZTNF2;TALL-2;TNLG7B;TRDL-1;UNQ383/PRO715**Target:** APRIL**UNIPROT ID:** O75888**Description:** Recombinant Human APRIL Protein with N-terminal human Fc tag

**Background:** The protein encoded by this gene is a member of the tumor necrosis factor (TNF) ligand family. This protein is a ligand for TNFRSF17/BCMA, a member of the TNF receptor family. This protein and its receptor are both found to be important for B cell development. In vitro experiments suggested that this protein may be able to induce apoptosis through its interaction with other TNF receptor family proteins such as TNFRSF6/FAS and TNFRSF14/HVEM. Alternative splicing results in multiple transcript variants. Some transcripts that skip the last exon of the upstream gene (TNFSF12) and continue into the second exon of this gene have been identified; such read-through transcripts are contained in GeneID 407977, TNFSF12–TNFSF13. [provided by RefSeq, Oct 2010]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 42.5 kDa after removal of the signal peptide. The apparent molecular mass of hFc-APRIL is approximately 35–55 kDa due to glycosylation.

**Molecular Characterization:** hFc(Glu99–Ala330) APRIL(Ala105–Leu250)

**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 APRIL Protein, hFc Tag on SDS-PAGE under reducing condition.