

TACI, human recombinant

CATALOG #: 7212-10 10 µg
7212-50 50 µg

ALTERNATE NAMES: Transmembrane activator and CAML interactor, TNFRSF13B

SOURCE: E. Coli

PURITY: ≥ 98% by SDS-PAGE gel and HPLC analyses

MOL. WEIGHT: 17.8 kDa

ENDOTOXIN LEVEL: < 0.1 ng/µg of protein (<1 EU/µg).

FORM: Lyophilized

FORMULATION: Sterile filtered through a 0.2 micron filter. Lyophilized from 10 mM NaCitrate, pH 4.0 and 150 mM NaCl.

STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

DESCRIPTION: TACI, a member of the TNF Receptor superfamily, is expressed in the small intestine, spleen, thymus, peripheral blood leukocytes, activated T cells, and resting B cells. TACI binds to both APRIL and BAFF and can stimulate the activation of transcription factors; NF-kappaB, AP-1, and mediates calcineurin dependent activation of NF-AT (nuclear-factor of activated T cells). TACI also plays a key role in the stimulation of B and T cell function. Soluble TACI inhibits APRIL-stimulated proliferation of primary B-cells by blocking the binding of APRIL to the membrane anchored TACI receptor. Recombinant human TACI is a soluble 159 amino acid polypeptide (17.8 kDa) comprising the TNFR

AMINO ACID SEQUENCE:

SGLGRSRRGG RSRVDQEERF PQGLWTGVAM RSCPEEQYWD PLLGTCMSCK
TICNHQSQRT CAAFCRSLSC RKEQGKFDYD LLRDCISCAS ICGQHPKQCA
YFCENKLRSP VNLPPPELRRQ RSGEVENNSD NSGRYQGLEH RGSEASPALP
GLKLSADQV

BIOLOGICAL ACTIVITY:

Determined by its ability to block human BAFF induced T2B cell survival using a concentration range of 1.0-3.0 µg/ml.

RELATED PRODUCTS:

- APRIL, human recombinant (Cat. No. 7117-10, -50)
- APRIL, mouse recombinant (Cat. No. 7118-10, -50)
- BAFF, human recombinant (Cat. No. 4451-20, -100, -500, -1000)
- BAFF, rat recombinant (Cat. No. 4453-20, -100, -1000)
- BAFF Receptor, human recombinant (Cat. No. 4452-10, -50, -100)
- BAFF Antibody (Cat. No. 3203-100)
- BAFF Antibody (Cat. No. 5453-100)
- Human Cell^{exp} Human Recombinant TNF-alpha (Cat # 6482-10, -50)
- TNF-alpha, human recombinant (Cat. No. 1050-10, -50, -1000)
- TNF-alpha, murine recombinant (Cat. No. 1051-10, -50, -1000)
- TNF-alpha, rat recombinant (Cat. No. 1052-10, -50, -1000)
- TNF-alpha Antibody (Cat. No. 3052R-100)
- TNF-alpha Antibody (Cat. No. 3053R-100)
- TNF-alpha Antibody (Cat. No. 3054-100)

FOR RESEARCH USE ONLY! Not to be used in humans.

