



Recombinant Protein Technical Manual
Recombinant Cynomolgus BCMA/TNFRSF17/CD269
Protein (Fc Tag)
RPES3231

Product Data:

Product SKU: RPES3231

Size: 10µg

Species: Cynomolgus

Expression host: Human Cells

Uniprot: G7Q0I4

Protein Information:

Molecular Mass: 33.1 kDa

AP Molecular Mass: 38-45 kDa

Tag: C-Fc

Bio-activity:

Purity: > 95% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 50 mM Tris, 100 mM Glycine, pH 7.5.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Tumor necrosis factor receptor superfamily member 17; B-cell maturation protein; CD269; Tnfrsf17; Bcm; Bcma

Immunogen Information:

Sequence: Met1-Ala53

Background:

B cell maturation antigen (BCMA) is a member of the TNF receptor superfamily. It has been designated TNFRSF17. BCMA is a type III membrane protein containing one extracellular cysteine rich domain. Within the TNFRSF, it shares the highest homology with TACI. BCMA and TACI have both been shown to bind to APRIL and BAFF, members of the TNF ligand superfamily. BCMA expression has been found in immune organs and mature B cell lines. Although some expression has been observed at the cell surface, BCMA appears to be localized to the Golgi compartment. The binding of BCMA to APRIL or BAFF has been shown to stimulate IgM production in peripheral blood B cells and increase the survival of cultured B cells. This data suggests that BCMA may play an important role in B cell development, function and regulation.