



Rat Anti-Human TNFRSF17 monoclonal antibody, clone 446115 (CABT-L4622)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rat Anti-Human TNFRSF17 monoclonal antibody,Biofunctional Grade
Target	Human BCMA/TNFRSF17
Immunogen	Mouse myeloma cell line NS0-derived recombinant human BCMA (AA 1-54)
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Human
Clone	446115
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	WB, BL, ELISA Recommended Concentration: WB: 1 µg/mL
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Format	Lyophilized
Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. Endotoxin Level: <0.10 EU per 1 µg of the antibody by the LAL method.
Preservative	None

Storage	Short Term: 2-8°C. Long Term: -20°C. Avoid repeated freezing and thawing.
Ship	Wet ice

BACKGROUND

Introduction	BCMA, B cell maturation antigen, 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. Human BCMA is a 184 amino acid (aa) protein consisting of a 54 aa extracellular domain, a 23 aa transmembrane domain, and a 107 aa intracellular domain. Mouse and human BCMA share 62% amino acid identity.
Keywords	TNFRSF17; tumor necrosis factor receptor superfamily, member 17; BCM; BCMA; CD269; TNFRSF13A; tumor necrosis factor receptor superfamily member 17; B-cell maturation factor; B cell maturation antigen; B-cell maturation protein;

GENE INFORMATION

Entrez Gene ID	608
UniProt ID	Q02223