

11-5501: Rabbit Anti-Human BCMA (CT) Antibody(Discontinued)

Clonality :	Polyclonal
Application :	IHC, WB
Reactivity :	Human
Gene :	TNFRSF17
Gene ID :	608
Uniprot ID :	Q02223
Format :	Purified
Alternative Name :	B-cell maturation protein, BCM, BCMA, CD269, TNFRSF17
Isotype :	Rabbit IgG
Immunogen Information :	Purified Recombinant Human BCMA (>98%)

Description

Specificity:

Rabbit Anti-Human BCMA recognizes an epitope near the C-terminus of Human BCMA. This polyclonal antibody was purified using affinity chromatography.

Background:

Members in the TNF superfamily regulate immune responses and induce apoptosis. Two novel members in the TNF family were recently identified and designated BAFF/BLyS/TALL-1/THANK/zTNF41-4 and APRIL/TALL-2, respectively. BAFF was characterized as a B cell activator since it induced B cell proliferation and immunoglobulin secretion. APRIL regulates immunological and non-immunological cell growth. Three receptors, BCMA (for B cell maturation protein), TACI, and BAFF-R, for BAFF were recently identified. BCMA, like TACI, binds BAFF and APRIL. BAFF and its receptors induce B cell development and survival, activate NF- κ B and c-jun N-terminal kinase, and are involved in B cell associated autoimmune diseases.

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. Mouse and human BCMA share 62% amino acid identity.

Product Info

Amount :	100 μ g
Content :	This polyclonal antibody is formulated in phosphate buffered saline (PBS) pH 7.4 containing 0.02% sodium azide as a preservative.
Storage condition :	This polyclonal antibody is stable for at least one week when stored at 2-8°C. For long term storage, aliquot in working volumes without diluting and store at -20°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

Application Note

Recommended dilutions: Immunohistochemistry, Western Blotting Analysis: 5 μ g/ml. However, this need to be optimized based on the research applications.