

BCMA Antibody | anti-BCMA antibody

Anti-BCMA [I09]

CATALOG # AAA72353	REACTIVITY Human, Cynomolgus Monkey	APPLICATIONS Flow Cytometry, Functional Assay
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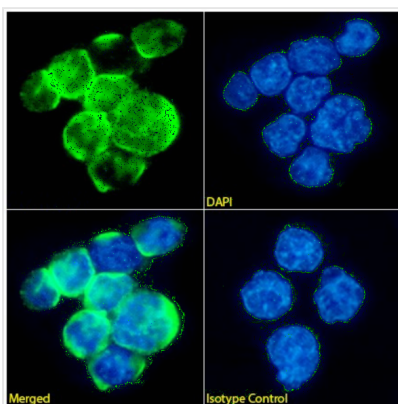
PRODUCT SYNONYMS

BCMA; Anti-BCMA [I09]; CD269; BCM; TNFRSF17; Tumor necrosis factor receptor superfamily member 17; B-cell maturation protein; 15B2; IO9; anti-BCMA antibody

PRODUCT SPECIFICATIONS

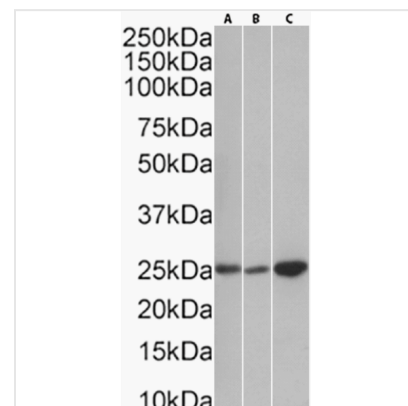
Reactivity	Human, Cynomolgus Monkey
Isotype	Rabbit IgG kappa
Clone Number	I09
Specificity	This antibody binds human and cynomolgus monkey BCMA. It acts as a receptor for TNFSF13B/BLyS/BAFF and TNFSF13/APRIL. BCMA expression is highest on terminally differentiated B cells. BCMA is involved in mediating the survival of plasma cells for maintaining long-term humoral immunity. It also activates NF-kappa-B and JNK. The expression of BCMA has been linked to a number of cancers, autoimmune disorders, and infectious diseases.
Purity/Purification	Purified. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-BCMA antibody	FCM/FACS (Flow Cytometry)
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



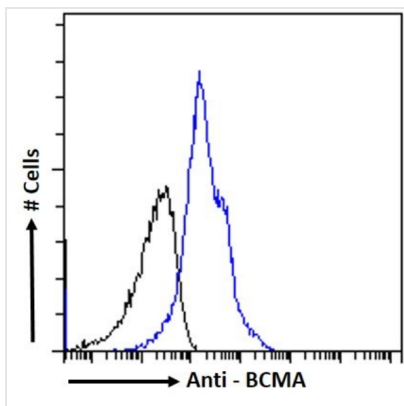
IF (Immunofluorescence)

Immunofluorescence staining of Daudi cells with anti-BCMA antibody I09 . Immunofluorescence analysis of paraformaldehyde fixed Daudi cells on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of I09 (AAA72353) (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing membrane staining. The nuclear stain is DAPI (blue). Panels show, from left-right, top-bottom, AAA72353, DAPI, merged channels, and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



WB (Western Blot)

Western blot using anti-BCMA antibody I09 . Human spleen (A), tonsil (B), and lymph node (C) tissue lysates (35ug protein in RIPA buffer) were resolved on an SDS-PAGE gel, and blots were probed with the chimeric rabbit version of I09 (AAA72353) at 2ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used, and protein was detected by chemiluminescence.



FCM/FACS (Flow Cytometry)

Flow cytometry using anti-BCMA antibody I09 . Daudi cells were stained with the anti-unknown specificity antibody (isotype control, black line) or the rabbit IgG version of I09 (AAA72353, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and the cells were analyzed using a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

Related Product Information for anti-BCMA antibody	The original antibody 15B2 was generated by immunizing six week old female Ablexis transgenic mice with both rHu BCMA-Fc and cynomolgus BCMA-Fc or adherent 293 cells (Ad293) expressing either Hu BCMA or Cyno BCMA. The original mouse antibody 15B2 was mutated to a germline form using primers designed to mutate four non-germline residues in 15B2, which resulted in the generation of this lead optimized antibody. This chimeric rabbit antibody was made using the variable domain sequences of the original Human IgG1 format for improved compatibility with existing reagents assays and techniques.
Product Categories/Family for anti-BCMA antibody	cancer ; oncology ; immunotherapy

NCBI AND UNIPROT INFORMATION

NCBI GI #	23238192
NCBI GeneID	608
NCBI Accession #	NP_001183.2
NCBI GenBank Nucleotide #	NM_001192.2
UniProt Accession #	Q02223 ; Q2TQ40
Molecular Weight	14,843 Da
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 17
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 17
NCBI Official Symbol	TNFRSF17
NCBI Official Synonym Symbols	BCM; BCMA; CD269; TNFRSF13A
NCBI Protein Information	tumor necrosis factor receptor superfamily member 17; B cell maturation antigen; B-cell maturation factor; B-cell maturation protein
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 17
UniProt Gene Name	TNFRSF17
UniProt Synonym Gene Names	BCM; BCMA
UniProt Entry Name	TNR17_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/cynomolgus-monkey-human-monkey-antibody/bcma/72353>