

BCMA Antibody | anti-BCMA antibody

Anti-BCMA [CA8]

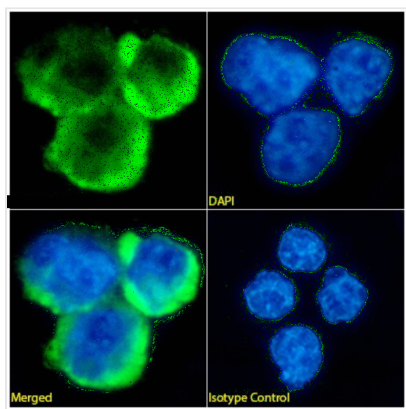
CATALOG # AAA72355	REACTIVITY Human, Cynomolgus Monkey	APPLICATIONS Flow Cytometry, Functional Assay, ELISA
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PRODUCT SYNONYMS

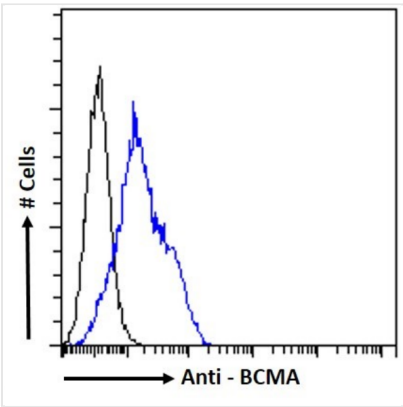
BCMA; Anti-BCMA [CA8]; CD269; BCM; TNFRSF17; Tumor necrosis factor receptor superfamily member 17; B-cell maturation protein; S307118G03; 118G03; anti-BCMA antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Cynomolgus Monkey
Isotype	Rabbit IgG kappa
Clone Number	CA8
Specificity	This antibody binds human and cynomolgus monkey BCMA and does not bind TACI or BAFF-R proteins. BCMA 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), ELISA
Immunogen	The original mouse parental antibody 118G03 was generated by immunizing SJL mice with recombinant human BCMA/TNFRSF17-Fc chimera (R&D 193-Fc) by using the RIMMS method (Rapid immunization multiple sites). A chimeric version of this antibody was generated and it is called CA8
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.



IF (Immunofluorescence)
Immunofluorescence staining of Daudi cells with anti-BCMA antibody CA8 . Immunofluorescence analysis of paraformaldehyde fixed Daudi cells on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of CA8 (AAA72355) (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show, from left-right, top-bottom, AAA72355, DAPI, merged channels, and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



FCM/FACS (Flow Cytometry)
Flow cytometry using anti-BCMA antibody CA8 . Daudi cells were stained with the anti-unknown specificity antibody (isotype control, black line) or the rabbit IgG version of CA8 (AAA72355, 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 mouse parental antibody 118G03 was generated by immunizing SJL mice with recombinant human BCMA/TNFRSF17-Fc chimera (R&D 193-Fc) by using the RIMMS method (Rapid immunization multiple sites). A chimeric version of this antibody was generated and it is called CA8. Discusses the novel immunotherapy treatment for multiple myelomas by targeting a cell surface protein like B-cell maturation antigen. This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.
Product Categories/Family for anti-BCMA antibody	cancer; oncology; immunotherapy
References	Yu-Tzu Tai et al. Immunotherapy. 2015 Nov; 7(11): 1187-1199.

NCBI AND UNIPROT INFORMATION

NCBI GI #	71061468
NCBI GeneID	1062
NCBI Accession #	NP_001804.2
NCBI GenBank Nucleotide #	NM_001813.2
UniProt Accession #	Q02224; Q4LE75; A6NKY9; A8K2U7
NCBI Official Full Name	centromere-associated protein E
NCBI Official Synonym Full Names	centromere protein E, 312kDa
NCBI Official Symbol	CENPE
NCBI Official Synonym Symbols	KIF10; CENP-E; PPP1R61
NCBI Protein Information	centromere-associated protein E; kinesin family member 10; kinesin-related protein CENPE; Centromere autoantigen E (312kD); protein phosphatase 1, regulatory subunit 61
UniProt Protein Name	Centromere-associated protein E

UniProt Gene Name	CENPE
UniProt Synonym Gene Names	CENP-E
UniProt Entry Name	CENPE_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/72355>