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Product datasheet for TA355208

BCMA (TNFRSF17) Rabbit Monoclonal Antibody [Clone ID: DM4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	DM4
Applications:	ELISA, FC, IF, IP
Recommended Dilution:	Flow Cyt 1/100; IP 1/30
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Recombinant human BCMA (Met1-Ala54) (TP723924) produced by using human HEK293 cells
Formulation:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization. Preservative: 0.1% Procline 300
Reconstitution Method:	Reconstitute with deionized water
Purification:	Purified from cell culture supernatant by affinity chromatography
Conjugation:	Unconjugated
Storage:	Store at -20°C for 12 months (Avoid repeated freezing and thawing)
Stability:	12 months from date of despatch
Predicted Protein Size:	20kDa
Gene Name:	tumor necrosis factor receptor superfamily member 17
Database Link:	Entrez Gene 608 Human Q02223
Background:	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is preferentially expressed in mature B lymphocytes, and may be important for B cell development and autoimmune response. This receptor has been shown to specifically bind to the tumor necrosis factor (ligand) superfamily, member 13b (TNFSF13B/TALL-1/BAFF), and to lead to NF-kappaB and MAPK8/JNK activation. This receptor also binds to various TRAF family members, and thus may transduce signals for cell survival and proliferation. [provided by RefSeq, Jul 2008]

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Synonyms: BCM; BCMA; CD269

Product images:

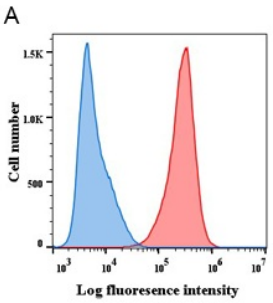

Figure 1. A. Flow cytometry analysis with anti-BCMA (DM4) on K562-BCMA (Red histogram) (K562 cells stably transduced by human BCMA full length gene) and K562 (Negative control cell line) (Blue histogram). B. Flow cytometry data of serially titrated anti-BCMA (DM4). The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

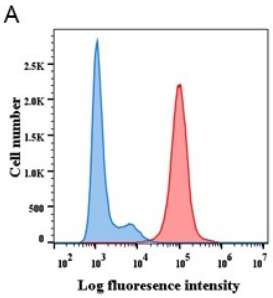

Figure 2. A. Flow cytometry analysis with anti-BCMA (DM4) on NCI-H929 cells (Red histogram) or rabbit control antibody on NCI-H929 cells (Blue histogram). B. Flow cytometry data of serially titrated anti-BCMA (DM4) on NCI-H929 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

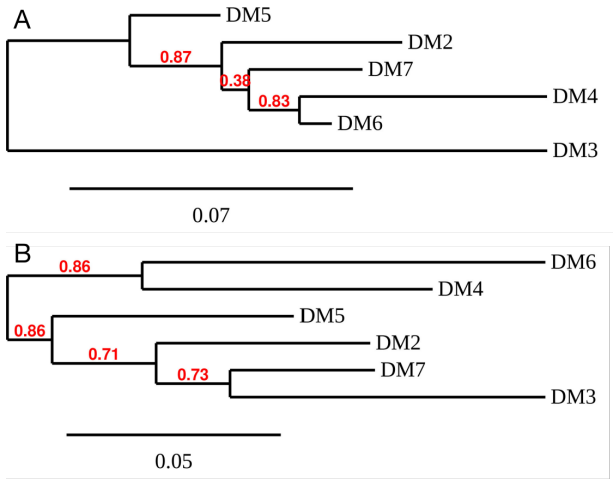

Figure 3. Phylogenetic analysis of different Anti-BCMA Ab clones. A) heavy chain and B) Light chain.

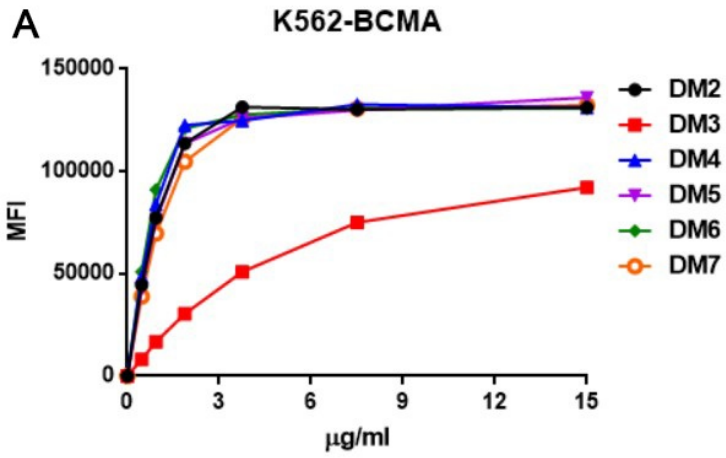

Figure 4. Affinity ranking of different Ab clones by titration of rabbit Ab antibody concentration onto K562-BCMA or NCI-H929 cells. Different concentrations of various anti-BCMA Ab clones were incubated with K562-BCMA (A) or NCI-H929 cells (B) at 4â. Bound rabbit IgG was detected in flow cytometry analysis. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

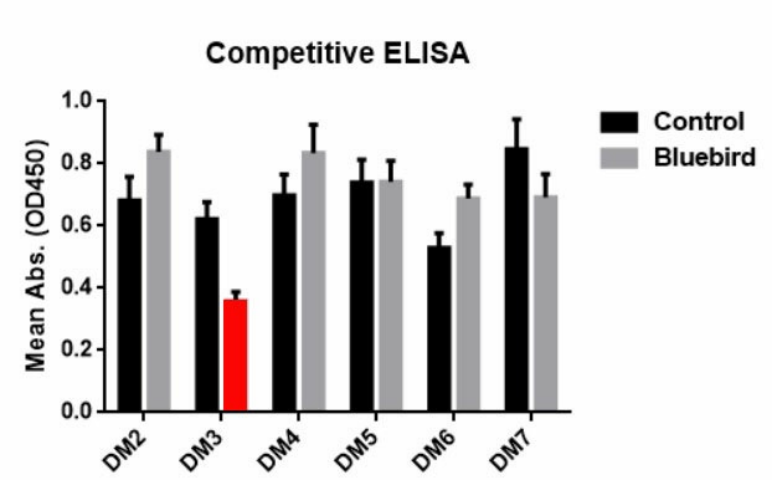

Figure 5. ELISA plate was coated with recombinant BCMA-hFc fusion protein ([TP723924]), followed by pre-blocking with huC11D5.3 antibody (Grey bar) or rabbit control IgG (Black bar), and then different rabbit Abs antibodies were added to check the competitive inhibition of huC11D5.3. DM3 clone exhibits the strongest inhibition (Red bar). This data indicated that DM3 bind to the same epitope as bb2121.

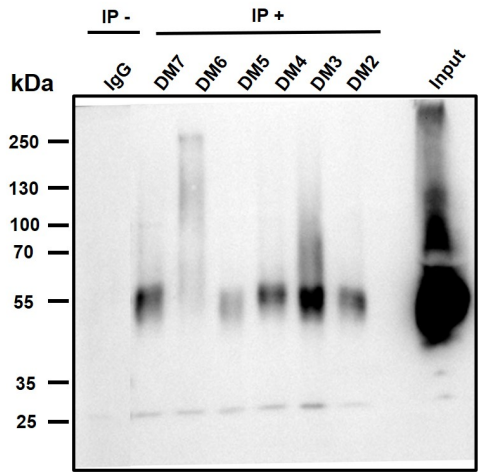

Figure 6. Immunoprecipitation analysis. Cellular overexpression lysates (made from HEK293F cells transfected with FLAG tagged human BCMA full length gene) were pre-incubated with 6 different rabbit Ab clones and negative control IgG. The immunocomplexes were further pulled down by protein A beads, fractionated, and blotted with mouse anti-FLAG monoclonal antibody.