BCMA (DM16) RABBIT MAB

Cat.#: 28165
Product Name: Anti-BCMA Bispecific(DM16)
Synonyms: TNFRSF17
Description: Anti-BCMA bispecific antibody(DM16)
Background: BiTE bispecific antibody is an Engineered fusion protein constructed from two single-chain variable fragments (scFvs) of different monoclonal antibodies. One of the scFvs will be constructed from an anti-CD3 monoclonal antibody; and the other scFv fragment which linked by a linker region will be made from an anti-Tumor cell specific monoclonal antibody.The B-cell maturation protein (BCMA or BCM) 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]
Applications: Flow Cyt; MM Tumor cell killing
Recommended Dilutions: Flow Cyt 1:100; MMTumor cell killing
Host Species: Rabbit
Isotype: Rabbit scfv
Purification: Purified from cell culture supernatant by affinity chromatography
Species Reactivity: Human BCMA
Constituents: Lyophilized from sterile PBS, pH 7.4. 5 % – 8% trehalose is added as protectants before lyophilization.
Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

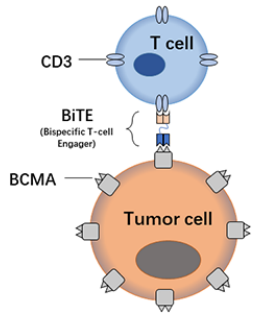

Figure 1. The basic principle of BiTE cell killing assay. The BiTE molecule can effectively bring T cells to tumor target cells and stimulate tumor cell killing activity of T cells.

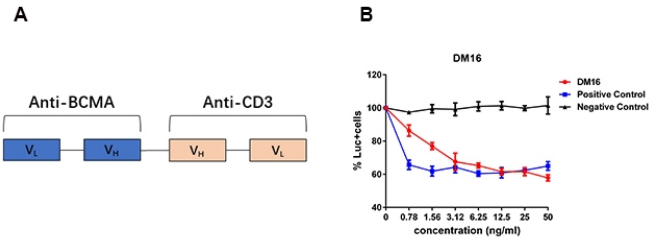

Figure 2. A: The scheme of Anti-BCMA BiTE molecule. B: Tumor cell killing assay. NCI-H929 cells (stably transfected with luciferase), were incubated with freshly isolated human PBMC, and different concentration of BiTE antibodies constructed from rabbit Anti-Human BCMA/TNFRSF17 Clone DM16 (red line), or BB2121 originated huC11D5.3 clone (blue lin e) or a no BCMA binding clone as negative control (black line). After 48hrs incubation, the viable NCI-H929 tumor cells were measured by luciferase activity assay.

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