

Synonym

TNFRSF17,CD269,BCM,BCMA

Source

APC-Labeled Human BCMA, His Tag (BCA-HA2H5) is produced via conjugation of APC to Human BCMA, His Tag with a new generation site-specific technology under optimal conditions with a proprietary technology. Human BCMA, His Tag is expressed from human 293 cells (HEK293). It contains AA Met 1 - Ala 54 (Accession # [Q02223-1](#)).

Predicted N-terminus: Met 1

Molecular Characterization

BCMA(Met 1 - Ala 54)
Q02223-1 Poly-his

This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 9.6 kDa.

Conjugate

APC

Excitation Wavelength: 640 nm

Emission Wavelength: 661 nm

Application

Please note that this product is NOT compatible to streptavidin detection system.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, 0.5% BSA, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

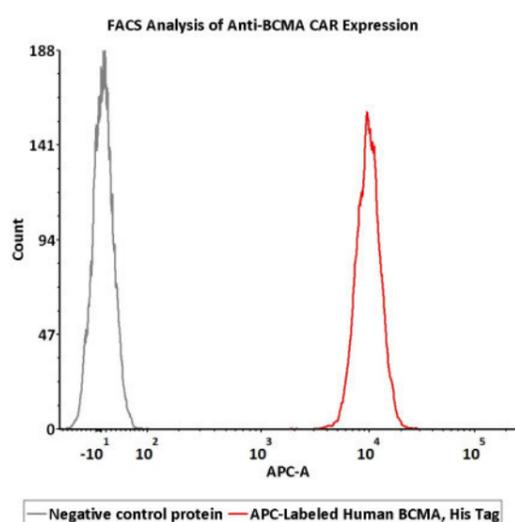
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please protect from light and avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

Bioactivity-FACS



5e5 of anti-BCMA CAR-293 cells were stained with 100 µL of 1:50 dilution (2 µL stock solution in 100 µL FACS buffer) of APC-Labeled Human BCMA, His Tag (Cat. No. BCA-HA2H5) and negative control protein respectively. APC signal was used to evaluate the binding activity (QC tested).

Background

Tumor necrosis factor receptor superfamily member 17 (TNFRSF17) is also known as B-cell maturation protein (BCMA), CD antigen CD269, which is a member of the TNF-receptor superfamily. TNFRSF17 contains one TNFR-Cys repeat. TNFRSF17 is expressed in mature B-cells, but not in T-cells or monocytes. TNFRSF17 is receptor for TNFSF13B/BLyS/BAFF and TNFSF13/APRIL. TNFRSF17 promotes B-cell survival and plays a role in the regulation of humoral immunity. TNFRSF17 can activate NF-kappa-B and JNK.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.