TNFRSF17 protein-coupled magnetic beads

Cat. No. BCMA-004M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The biotinylated BCMA protein was conjugated to streptavidin magnetic beads. This pre-coupled magnetic bead product can capture the anti-BCMA antibody from various assay systems. The beads are in uniform size, narrow size distribution with large surface area and unique surface coating, which can help you get the best performance and highly reproducible results. This Human BCMA-coupled magnetic beads will bring great convenience with minimum non-specific binding and developed protocols. This ready-to-use product could greatly save your time and hassle.
Species	Human
Beads Size	2mg
Particle size	2 μm
Beads Surface	hydrophilic
Coupled amount of protein	>300 nmol BCMA/mg Beads
Capacity	>200 nmol antibody / mg beads
Formulation	Lyophilized from 0.22 μm filtered solution in PBS, 0.05% Tween-20, pH7.4, with 10% trehalose
Reconstitution	2 mL ultrapure water (1mg beads/mL)

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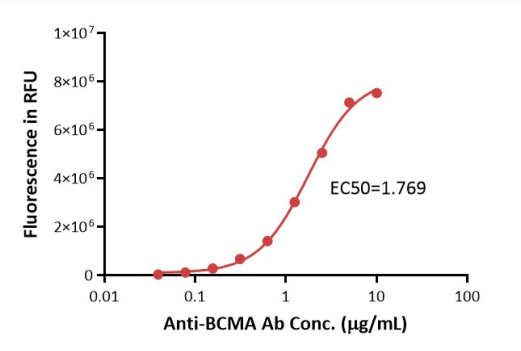
Application	This product is intended for immunocapture, biopanning and flow cytometry.
Storage	Upon receipt, please store the Beads at -20ºC for 1 year in lyophilized state. Once the Beads reconstitution, please use it immediately. Do not to freeze thaw the Beads after reconstitution.
Assay Principles	The conjugation was achieved by means of the binding between streptavidin and biotin. Streptavidin (SA) has an extraordinarily high affinity for biotin with a dissociation constant (Kd) on the order of 10-14 mol/L. Thus, the binding of streptavidin and biotin is irreversible. Our BCMA pre-coupled beads could capture anything binding to BCMA, and make the following testing easy, such as immunocapture, biopanning and flow cytometry.
Application Method	a) Reconstitute the Beads following the COA. Wash and re-suspended the beads to a certain concentration by adding your dilution buffer. b) Add the prepared beads to your samples. c) Beads can be separated from your samples afterwards using a magnetic plate.



Add BCMA pre-coupling magnetic beads into each well at a concentration of 1 mg/ml. 0.1 mg beads was added to each well. Then add increasing concentrations of anti-BCMA antibody to different wells. PE-labeled anti-human IgG Fc antibody

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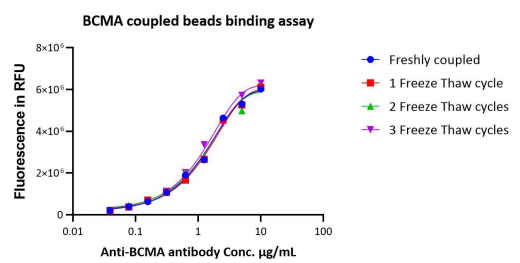
was used for detection.



The binding curves between BCMA pre-coupling magnetic beads after different freeze-thaw cycles and anti-BCMA antibody. 0.1 mg of Beads (1 mg/mL, 100 μL) was washed three times and the supernatant was removed. 100 μL antibodies of the corresponding concentration (10 μg/mL-0.039 μg/mL) were added. Fluorescent labeled secondary antibody was added for detection.

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