

PE Human BCMA (CD269) Protein (C-Fc)

Catalog Number:	802401, 802402
Size:	25 ug, 100 ug
Target Name:	TNFRSF17, CD269, BCM, BCMA
Regulatory Status:	RUO

PRODUCT DETAILS

Application:	Flow Cytometry
Format:	Liquid, PE
Expression Host:	HEK293
Species:	Human
Sources:	Human BCMA protein (NP_001183.2) (Met1-Ala54) with C-terminus Human IgG1 Fc tag is expressed in HEK293 cells and conjugated to PE.
Accession Number:	Q02223
Molecular Weight:	The protein has a predicted molecular weight of 33kDa. Under DTT-reducing conditions, it migrates at approximately 35-45 kDa on SDS-PAGE prior to conjugation.
Affinity Tag:	C-Fc
Formulation:	1xPBS buffer, pH7.4, 0.09% NaN3 with a carrier protein
Endotoxin level:	Not tested
Protein Concentration:	25µg size is bottled at 0.1mg/mL concentration. 100 µg size is bottled at lot specific concentration.
Storage and Handling:	Briefly centrifuge the vial upon receipt. An unopened vial may be stored at 2-8°C for up to six months.

BACKGROUND INFORMATION

CD269, also known as B-cell maturation antigen (BCMA), is a 27 kD single-pass transmembrane protein that contains one TNFR-Cys repeat in its extracellular domain. This protein is a critical factor for the long-term survival and maintenance of plasma cells and plays an essential role in B-cell maturation. CD269 is expressed by plasmablasts, plasma cells, and germinal center B cells, and it is primarily involved in regulating humoral immunity. The ligands for CD269 include BAFF (B-cell activating factor) and APRIL (A proliferation-inducing ligand). These ligands bind to CD269, initiating a signaling cascade that supports B-cell survival and plasma cell function. Additionally, the cytoplasmic domain of CD269 interacts with several members of the TRAF (tumor necrosis factor receptor-associated factor) family, which are important for transducing survival and proliferation signals within the cell. Due to its essential role in immune response regulation, CD269 is a key player in the development and functioning of plasma cells.

PRODUCT DATA

A: BCMA CAR-transfected
Stained with PE-BCMA-Fc

B: Mock-transfected
Stained with PE-BCMA-Fc

CHO cells transfected with either BCMA CAR or Mock plasmid were stained with PE conjugated BCMA (C-Fc) protein at 4ug_test