abcam

ab245940

Anti-BCMA antibody [EPRBOB-R1-F1-24]

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPRBOB-R1-F1-24
Purification technique	Affinity purification Protein A
Concentration	0.515 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Tested

Species	Human
Dilution info	1/30
Notes	-

WB

Tested

Species	Human
Dilution info	1/1000
Notes	-

IHC-P

Not recommended

Species	Human
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/100
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/60
Notes	-

Target data

See full target information TNFRSF17

Function	Receptor for TNFSF13B/BLyS/BAFF and TNFSF13/APRIL. Promotes B-cell survival and plays a role in the regulation of humoral immunity. Activates NF-kappa-B and JNK.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

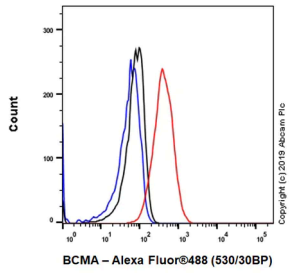
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

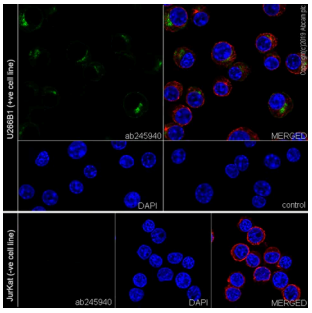
4 product images



Flow Cytometry (Intracellular) - Anti-BCMA antibody [EPRBOB-R1-F1-24] (ab245940)

BCMA Flow Cytometry (Intracellular) staining using rabbit Anti-BCMA antibody

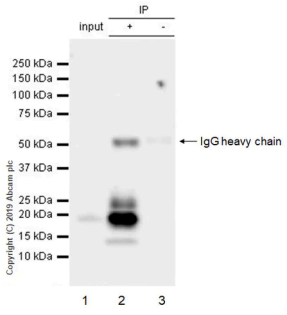
Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed, 90% methanol-permeabilized U266B1 (human multiple myeloma B lymphocyte) cell line labeling BCMA with ab245940 at 1/60 (red) compared with a Rabbit monoclonal IgG (ab172730) (black) and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (blue). Goat anti rabbit IgG (Alexa Fluor® 488, ab150077), at 1/2000 dilution was used as the secondary antibody.



Immunocytochemistry/ Immunofluorescence - Anti-BCMA antibody [EPRBOB-R1-F1-24] (ab245940)

BCMA Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-BCMA antibody

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized U266B1 (human multiple myeloma B lymphocyte) cells labeling BCMA with ab245940 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasmic staining in U266B1 cell line. **Negative control cells**: Jurkat (PMID: 11104810. The nuclear counterstain is DAPI (blue). Counterstained with ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) at a 1/200 dilution (red). The negative control is the secondary antibody only.



Immunoprecipitation - Anti-BCMA antibody [EPRBOB-R1-F1-24] (ab245940)

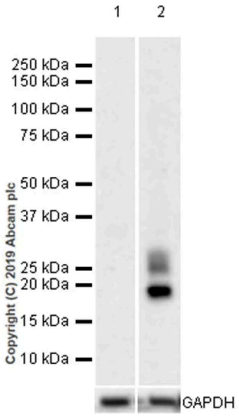
BCMA was immunoprecipitated from 0.35 mg U266B1 (human multiple myeloma B lymphocyte) whole cell lysate with ab245940 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab245940 at 1/300 dilution. VeriBlot for IP Detection Reagent (HRP) (ab131366), was used at 1/5000 dilution.
Lane 1: U266B1 whole cell lysate 10 µg (Input).
Lane 2: ab245940 IP in U266B1 whole cell lysate.
Lane 3: Rabbit monoclonal IgG (ab172730) instead of ab245940 in U266B1 whole cell lysate.

Blocking/Dilution buffer: 5% NFDM/TBST.
Exposure time: 30 seconds.

All lanes:
Immunoprecipitation - Anti-BCMA antibody [EPRBOB-R1-F1-24] (ab245940)

Predicted band size: 20 kDa

Observed band size: 19 kDa, 23 kDa



Western blot - Anti-BCMA antibody [EPRBOB-R1-F1-24] (ab245940)

BCMA Western blot staining using rabbit Anti-BCMA antibody

The expression profile/ molecular weight observed is consistent with what has been described in the literature (PMID: 23776238).
Negative control: Jurkat (PMID: 11104810).

Blocking/Dilution buffer: 5% NFDM/TBST.

All lanes:
Western blot - Anti-BCMA antibody [EPRBOB-R1-F1-24] (ab245940) at 1/300 dilution

Lane 1:
Jurkat (human T cell leukemia T lymphocyte) whole cell lysate at 20 µg

Lane 2:
U266B1 (human multiple myeloma B lymphocyte) whole cell lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Predicted band size: 20 kDa

Observed band size: 19 kDa, 23-30 kDa

Exposure time: 3min

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.