



Anti-BCMA antibody [1D12G9] ab233745

3 Images

Overview

Product name	Anti-BCMA antibody [1D12G9]
Description	Mouse monoclonal [1D12G9] to BCMA
Host species	Mouse
Tested applications	Suitable for: ELISA, WB, Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human BCMA aa 1-100. Expressed in E.coli. Database link: Q02223
	 Run BLAST with  Run BLAST with
Positive control	WB: Human BCMA (aa 1-184)-hlgGFC-transfected HEK-293 cell lysate. Flow: K562 cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide Constituent: PBS
Purity	Protein G purified
Purification notes	Purified from tissue culture supernatant.
Clonality	Monoclonal
Clone number	1D12G9
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab233745 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		1/10000.
WB		1/500 - 1/2000. Predicted molecular weight: 20 kDa.
Flow Cyt		1/200 - 1/400.

Target

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.

Tissue specificity

Expressed in mature B-cells, but not in T-cells or monocytes.

Involvement in disease

Note=A chromosomal aberration involving TNFRSF17 is found in a form of T-cell acute lymphoblastic leukemia (T-ALL). Translocation t(4;16)(q26;p13) with IL2.

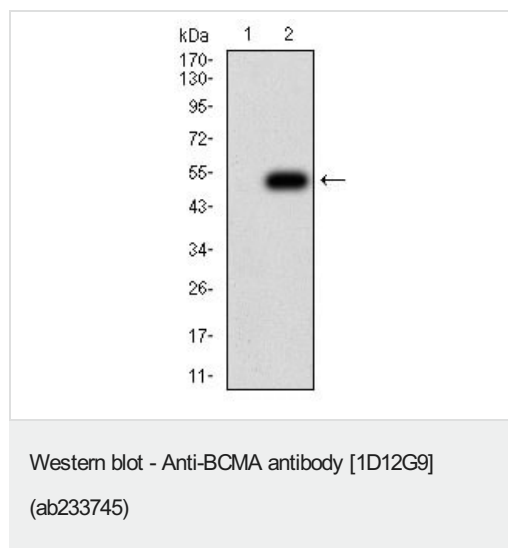
Sequence similarities

Contains 1 TNFR-Cys repeat.

Cellular localization

Cell membrane. Endomembrane system. Perinuclear Golgi-like structures.

Images

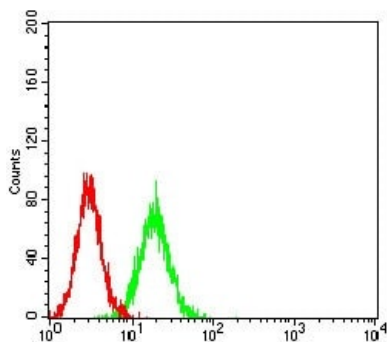


All lanes : Anti-BCMA antibody [1D12G9] (ab233745) at 1/500 dilution

Lane 1 : HEK-293 (human epithelial cell line from embryonic kidney) cell lysate.

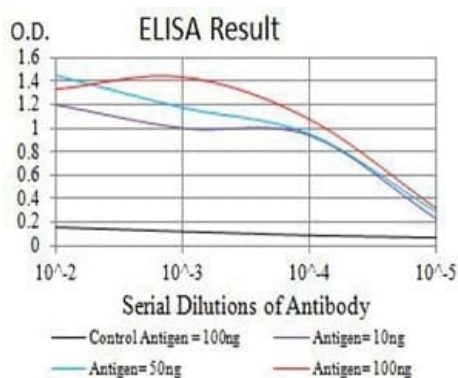
Lane 2 : BCMA (AA: 1-184)-hlgGFc transfected HEK-293 cell lysate.

Predicted band size: 20 kDa



Flow Cytometry - Anti-BCMA antibody [1D12G9]
(ab233745)

Flow cytometric analysis of K562 (human chronic myelogenous leukemia cell line from bone marrow) cells labelling BCMA using ab233745 at 1/200 dilution (green) compared with a negative control (red).



ELISA - Anti-BCMA antibody [1D12G9] (ab233745)

ELISA showing primary antibody ab233745 binding to the BCMA antigen. Primary antibody was used in a serial dilution.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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