

## Anti-BCL11A Antibody [PCRP-BCL11A-1G10] (A277750)

### Specifications:

Name:	Anti-BCL11A Antibody [PCRP-BCL11A-1G10]
Description:	Mouse monoclonal [PCRP-BCL11A-1G10] antibody to BCL11A.
Specificity:	Bcl-11a (CtIP-1, EVI9, B cell chronic lymphocytic leukemia (CLL)/lymphoma 11A) and Bcl-11b (CtIP-2, RIT1, B cell CLL/lymphoma 11B) genes play crucial roles in lymphopoiesis and influence the progression of hematopoietic malignancies. Disruption of the Bcl-11b locus is linked to T cell acute lymphoblastic leukemia, and the loss of heterozygosity in mice results in T cell lymphoma. Bcl-11 proteins are related C2H2 zinc-finger transcription factors that act as transcriptional repressors. Bcl-11b can interact with the metastasis-associated proteins MTA1 and MTA2 through the amino-terminal region. Bcl-11a is essential for postnatal development and normal lymphopoiesis. The Bcl-11a mouse gene is a common site of retroviral integration in myeloid leukemia, and may function as a leukemia disease gene, in part, through its interaction with Bcl-6.
Applications:	ELISA, WB, IP, Flow Cytometry, IF
Recommended Dilutions:	WB: 1-2 µg/ml, IP: 1-2µg / 100-500µg proteins, Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml
Reactivity:	Human
Cross Reactivity:	This antibody is predicted to cross react with Mouse and Rat.
Immunogen:	Recombinant full-length human BCLL1A protein.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	PCRP-BCL11A-1G10
Isotype:	IgG2a
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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### Specifications continued:

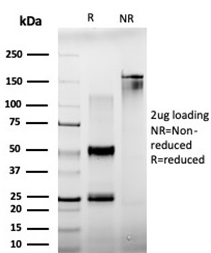
#### General Notes:

This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-BCL11A Antibody [PCRP-BCL11A-1G10] - BSA and Azide free (A278338).

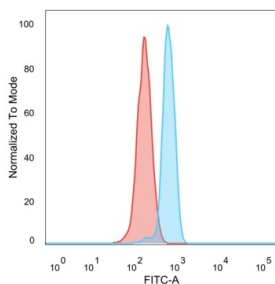
#### Disclaimer:

This product is for research use only. It is not intended for diagnostic or therapeutic use.

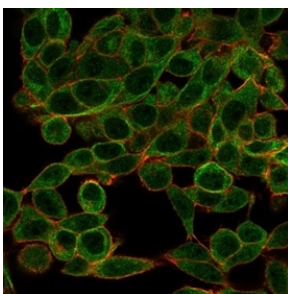
### Images:



SDS-PAGE analysis of Anti-BCL11A Antibody [PCRP-BCL11A-1G10] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.



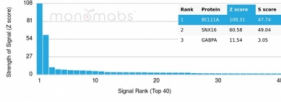
Flow cytometric analysis of PFA-fixed HeLa cells using Anti-BCL11A Antibody [PCRP-BCL11A-1G10] followed by Goat Anti-Mouse IgG (CF® 488) (Blue). Isotype Control (Red).



Immunofluorescent analysis of PFA-fixed HeLa cells stained with Anti-BCL11A Antibody [PCRP-BCL11A-1G10] followed by Goat Anti-Mouse IgG (CF® 488) (Green). CF® 640A Phalloidin (Red).

# Anti-BCL11A Antibody [PCR-P-BCL11A-1G10] (A277750)

Images continued:



Analysis of protein array containing more than 19,000 full-length human proteins using Anti-BCL11A Antibody [PCR-P-BCL11A-1G10]. Z-Score and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target; a MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.