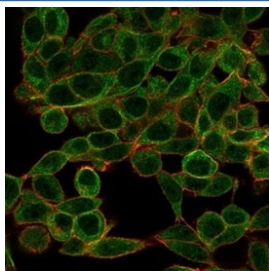


BCL11A Antibody / B-cell lymphoma/leukemia 11A [clone PCRP-BCL11A-1G10] (V9710)

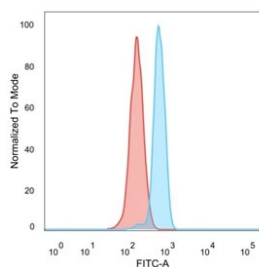
Catalog No.	Formulation	Size
V9710-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9710-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9710SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

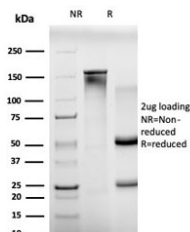
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	PCRP-BCL11A-1G10
Purity	Protein A/G affinity
UniProt	Q9H165
Localization	Cytoplasm, Nucleus
Applications	ELISA (order BSA-free Format For Coating) : Western Blot : 1-2ug/ml Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml
Limitations	This BCL11A antibody is available for research use only.



Immunofluorescent staining of PFA-fixed human HeLa cells using BCL11A antibody (green, clone PCRP-BCL11A-1G10) and phalloidin (red).

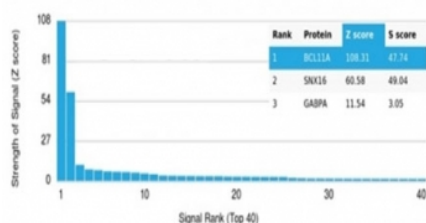


FACS staining of PFA-fixed human HeLa cells with BCL11A antibody (blue, clone PCRP-BCL11A-1G10) and isotype control (red).



SDS-PAGE analysis of purified, BSA-free BCL11A antibody (clone PCRP-BCL11A-1G10) as confirmation of integrity and purity.

Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using BCL11A antibody (clone PCRP-BCL11A-1G10). These results demonstrate the foremost specificity of the PCRP-BCL11A-1G10 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD $\pm$ s) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD $\pm$ s) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

Description

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.

Application Notes

Optimal dilution of the BCL11A antibody should be determined by the researcher.

Immunogen

Recombinant full-length human protein was used as the immunogen for the BCL11A antibody.

Storage

Aliquot the BCL11A antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

