BCL11A / CTIP1 (Transcription Factor) Antibody

Mouse Monoclonal Antibody [Clone PCRP-BCL11A-1G10]

Catalog No	Format	Size
53335-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
53335-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
53335-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

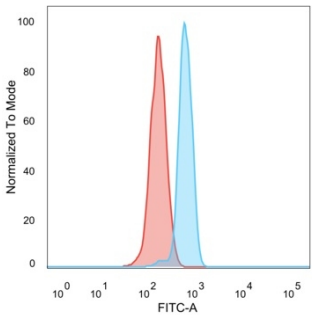
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

Product Details

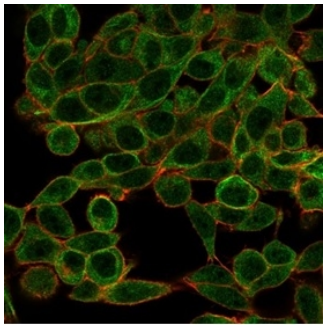
Clone	PCRP-BCL11A-1G10
Gene Name	BCL11A
Immunogen	Recombinant full-length human BCLL1A protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a
Mol. Weight of Antigen	91.2kDa
Cellular Localization	Chromosome, Cytoplasm, Nucleus, Nucleus matrix
Species Reactivity	Human
Positive Control	HeLa cells. Expressed in all tissues except in cells of the B and T lineage.

**Optimal dilution for a specific application should be determined.*

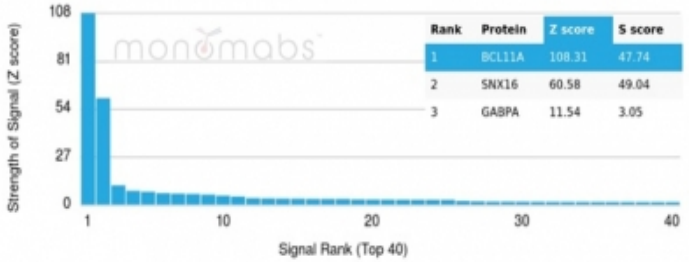
Product Images for BCL11A / CTIP1 (Transcription Factor) Antibody



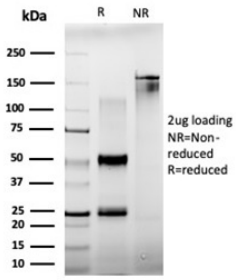
Flow cytometric analysis of PFA-fixed HeLa cells. BCL11A Mouse Monoclonal Antibody (PCRP-BCL11A-1G10) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).



Immunofluorescence Analysis of PFA-fixed HeLa cells stained using BCL11A Mouse Monoclonal Antibody (PCRP-BCL11A-1G10) followed by goat anti-mouse IgG-CF488 (green). CF640A phalloidin (red).



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing PBX1-Monospecific Mouse Monoclonal Antibody (PCRP-BCL11A-1G10). Z- 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 HuProtTM 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 HuProtTM 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 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.



SDS-PAGE Analysis of Purified BCL11A Mouse Monoclonal Antibody (PCRP-BCL11A-1G10). Confirmation of Integrity and Purity of Antibody.

Specificity & Comments

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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, B Cell Markers, Infectious Disease, Nuclear Marker

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.