

Th-Pok / ZBTB7B Antibody

Mouse Monoclonal Antibody [Clone PCRP-ZBTB7B-1B6]

Catalog No	Format	Size
51043-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
51043-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
51043-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

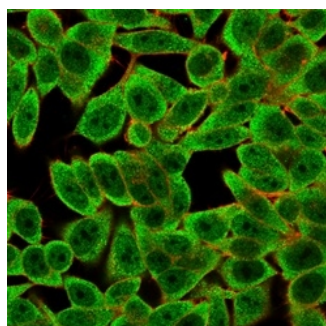
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

Product Details

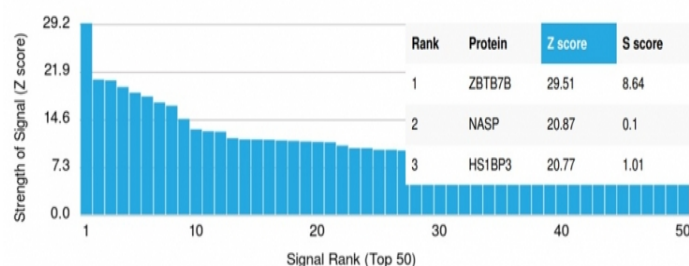
Clone	PCRP-ZBTB7B-1B6
Gene Name	ZBTB7B
Immunogen	Recombinant full-length human ZBTB7B protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b
Mol. Weight of Antigen	58/80kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	HeLa or HepG2 cells.

*Optimal dilution for a specific application should be determined.

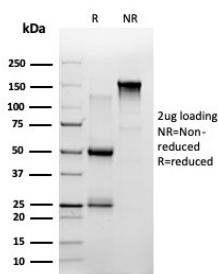
Product Images for Th-Pok / ZBTB7B Antibody



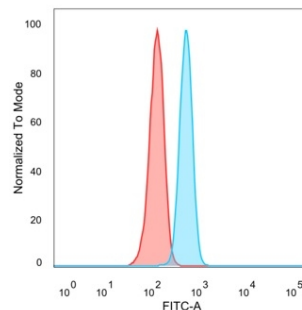
Immunofluorescence Analysis of PFA-fixed HeLa cells using Th-Pok / ZBTB7B Mouse Monoclonal Antibody (PCRP-ZBTB7B-1B6) followed by goat anti-mouse IgG-CF488 (green). CF640A phalloidin (red).



Analysis of Protein Array containing more than 19,000 full-length human proteins using Th-Pok / ZBTB7B Mouse Monoclonal Antibody (PCRP-ZBTB7B-1B6). 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 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.



SDS-PAGE Analysis. Purified Th-Pok / ZBTB7B Mouse Monoclonal Antibody (PCRP-ZBTB7B-1B6). Confirmation of Purity and Integrity of Antibody.



Flow Cytometric Analysis of PFA-fixed HeLa cells. Th-Pok / ZBTB7B Mouse Monoclonal Antibody (PCRP-ZBTB7B-1B6) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

Specificity & Comments

TH-POK (T-helper-inducing POZ/Kr ppel-like factor), also known as zinc finger protein 67 (ZFP67), zinc finger and BTB domain-containing protein 7B or Kr ppel-related zinc finger protein cKrox, is a 539 amino acid protein that contains one BTB (POZ) domain and four C2H2-type zinc fingers. Localized to the nucleus, TH-POK functions primarily as a key regulator of lineage commitment of immature T-cell precursors. Specifically, the presence of TH-POK directs positively selected thymocytes to the CD4 lineage, whereas its absence causes default development to the CD8 lineage. TH-POK also functions as a transcriptional repressor of various other genes, such as COL1A1, COL1A2 and Fibronectin.

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.

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

Nuclear Marker