

BACH2 (Transcription Factor) Antibody

Mouse Monoclonal Antibody [Clone PCR-P-BACH2-5B11]

Catalog No	Format	Size
60468-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
60468-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
60468-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

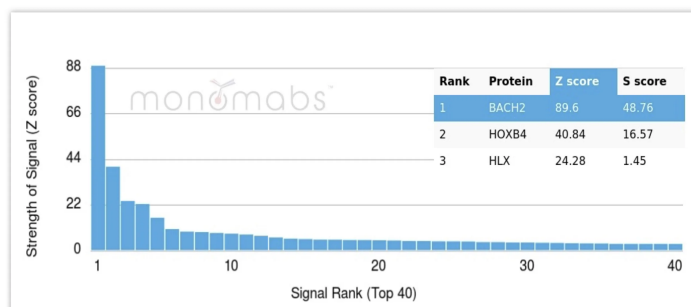
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	

Product Details

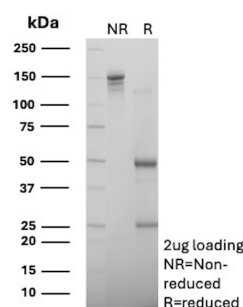
Clone	PCR-P-BACH2-5B11
Gene Name	BACH2
Immunogen	Recombinant fragment (around aa11-132) of human BACH2 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	92.54kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	B-cell specific.

*Optimal dilution for a specific application should be determined.

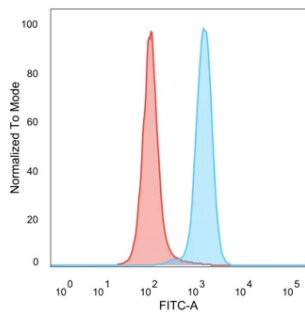
Product Images for BACH2 (Transcription Factor) Antibody



Analysis of Protein Array containing more than 19,000 full-length human proteins using BACH2 Mouse Monoclonal Antibody (PCR-P-BACH2-5B11). 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 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.



SDS-PAGE Analysis of Purified BACH2 Mouse Monoclonal Antibody (PCR-P-BACH2-5B11). Confirmation of Purity and Integrity of Antibody.



Flow Cytometric Analysis of HeLa cells using BACH2 Mouse Monoclonal Antibody (PCRP-BACH2-5B11). Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

Specificity & Comments

Enables sequence-specific double-stranded DNA binding activity. Involved in primary adaptive immune response involving T cells and B cells. Located in cytosol and nucleoplasm. Implicated in immunodeficiency 60. Transcriptional regulator that acts as a repressor or activator. Binds to Maf recognition elements (MARE). Plays an important role in coordinating transcription activation and repression by MAFK. Induces apoptosis in response to oxidative stress through repression of the antiapoptotic factor HMOX1. Positively regulates the nuclear import of actin. Is a key regulator of adaptive immunity, crucial for the maintenance of regulatory T-cell function and B-cell maturation.

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

B Cell Markers