CREB5 / CRE-BPa Antibody

Mouse Monoclonal Antibody [Clone PCRP-CREB5-1G8]

Catalog No	Format	Size
9586-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
9586-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
9586-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

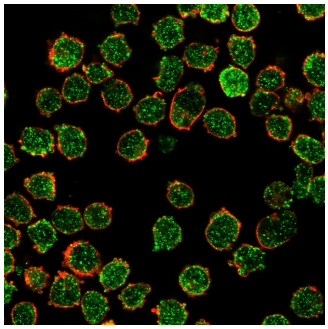
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

Product Details

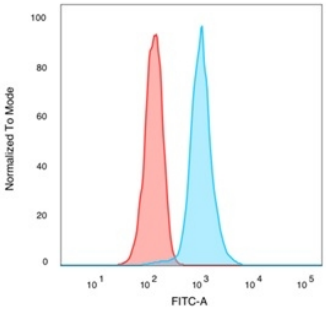
Clone	PCRP-CREB5-1G8
Gene Name	CREB5
Immunogen	Recombinant full-length human CREB5 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	57kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	HeLa, U87 or K562 cells.

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

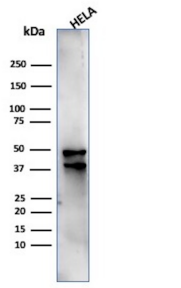
Product Images for CREB5 / CRE-BPa Antibody



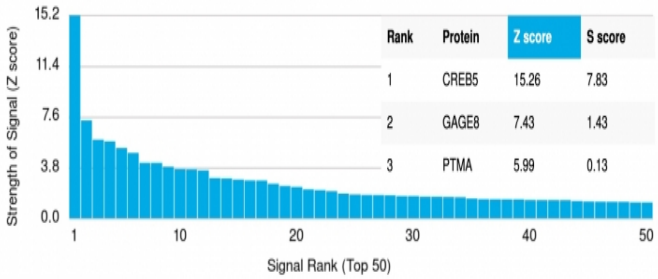
Immunofluorescent analysis of PFA-fixed K562 cells stained with CREB5Mouse Monoclonal Antibody (PCRP-CREB5-1G8) followed by goat anti-mouse IgG-CF488 (green); phalloidin counterstain (red).



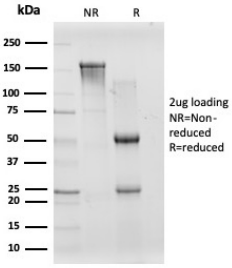
Flow cytometric analysis of PFA-fixed K562 cells. CREB5 Mouse Monoclonal Antibody (PCRP-CREB5-1G8) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).



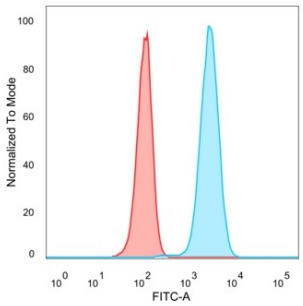
Western blot analysis of HeLa cell lysate using CREB5 Mouse Monoclonal Antibody (PCRP-CREB5-1G8).



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing CREB5 Mouse Monoclonal Antibody (PCRP-CREB5-1G8). 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. Purified CREB5 Mouse Monoclonal Antibody (PCRP-CREB5-1G8). Confirmation of Purity and Integrity of Antibody.



Flow cytometric analysis of PFA-fixed HeLa cells. CREB5 Mouse Monoclonal Antibody (PCRP-CREB5-1G8) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

Specificity & Comments

The ATF/CREB family consists of a series of transcription factors that function by binding to the cAMP responsive element (CRE) palindromic octanucleotide, TGACCTCA. The best characterized members of this gene family include CREB-1, CREB-2 (also designated ATF-4), CRE-BPa, LZIP (also designated CREB-3 and Luman), CREM-2, ATF-1, ATF-2, ATF-3, ATF-5, ATF-6 and ATF-7. These transcription factors share terminal leucine zipper dimerization and basic DNA binding domains and are highly variable in their N-termini. Although each of the ATF/ CREB proteins bind CREs in their homodimeric form, they can also bind as heterodimers, both within the ATF/CREB family and with members of the AP-1 transcription factor family. Protein kinase A- mediated CREB phosphorylation induces association with a nuclear protein designated CBP (CREB-binding protein), which may represent a CREB coactivator. CRE-BPa is a nuclear protein that binds DNA as a homodimer but can also form a heterodimer with ATF-2 or Jun.

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

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.

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