CEBPE Antibody

Mouse Monoclonal Antibody [Clone PCRP-CEBPE-1G12]

Catalog No	Format	Size
1053-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1053-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1053-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

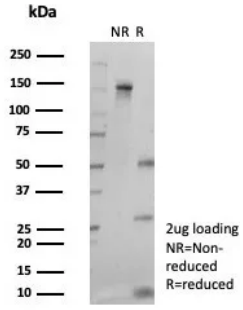
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

Clone	PCRP-CEBPE-1G12
Gene Name	CEBPE
Immunogen	Recombinant human CEBPE protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a
Mol. Weight of Antigen	32/30/27/14kDa
Cellular Localization	Nucleus.
Species Reactivity	Human
Positive Control	HeLa or MCF-7 cells.

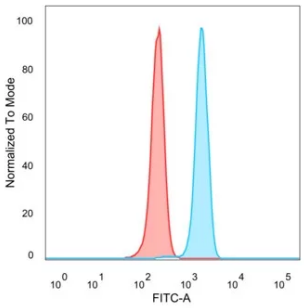
**Optimal dilution for a specific application should be determined.*

Product Images for CEBPE Antibody



SDS-PAGE Analysis. Purified CEBPE Mouse Monoclonal Antibody (PCRP-CEBPE-1G12). Confirmation of Integrity and Purity of Antibody.

Analysis of Protein Array containing more than 19,000 full-length human proteinsusing CEBPE Mouse Monoclonal Antibody (PCRP-CEBPE-1G12). 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.



Flow Cytometric Analysis of PFA-fixed HeLa cells. CEBPE Mouse Monoclonal Antibody (PCRP-CEBPE-1G12) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

Specificity & Comments

The transcription factor C/EBP ? (CCAAT-enhancer binding protein) is a heatstable, sequence-specific DNA-binding protein first purified from rat liver nuclei that binds avidly to several different cis-regulatory DNA sequences commonly associated with viral and cellular genes transcribed by RNA polymerase II. C/EBP ? regulates gene expression in a variety of tissues including liver, adipose, lung and intestine. C/EBP ? uses a bipartite structural motif to bind DNA. Two protein chains dimerize through a set of amphipathic ? helices termed the leucine zipper. Highly basic polypeptide regions emerge from the zipper to form a linked set of DNA contact surfaces. C/EBP ? appears to function exclusively in terminally differentiated, growth-arrested cells. Additional family members include C/EBP ?, C/EBP ?, C/EBP ? and C/EBP ?, all of which exhibit similar DNA-binding specificities and affinities to C/EBP ?. Furthermore, C/EBP ? and C/EBP ? readily form heterodimers both with each other as well as with C/EBP ?.

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

Developmental Biology, 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.