MZF1 (Transcriptional Corepressor) Antibody

Mouse Monoclonal Antibody [Clone PCRP-MZF1-1E8]

Catalog No	Format	Size
7593-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7593-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7593-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

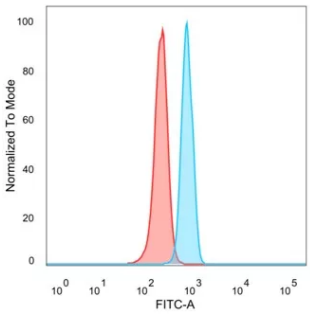
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

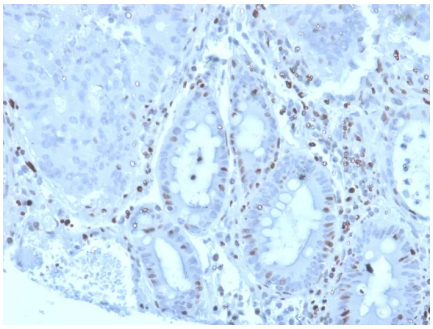
Clone	PCRP-MZF1-1E8
Gene Name	MZF1
Immunogen	Recombinant fragment (around aa37-128) of human MZF1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a
Mol. Weight of Antigen	82.05kDa
Cellular Localization	Nucleus.
Species Reactivity	Human
Positive Control	HeLa or U87 cells. Ubiquitous tissue expression.

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

Product Images for MZF1 (Transcriptional Corepressor) Antibody

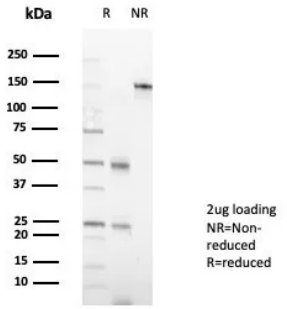


Flow cytometric analysis of PFA-fixed HeLa cells. MZF1 Mouse Monoclonal Antibody (PCRP-MZF1-1E8) followed by goat anti-mouse IgG-CF488 (blue), unstained cells (red).



Formalin-fixed, paraffin-embedded human colon carcinoma stained with MZF1 Mouse Monoclonal Antibody (PCRP-MZF1-1E8). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Analysis of Protein Array containing more than 19,000 full-length human proteinsusing MZF1 Mouse Monoclonal Antibody (PCRP-MZF1-1E8). 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 MZF1 Mouse Monoclonal Antibody (PCRP-MZF1-1E8). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

Zinc finger genes that encode metal-binding proteins are transcriptional regulators of other genes. Myeloid zinc finger 1 (MZF-1), also designated zinc finger protein 42, and transcription factor ZBP-89, also designated zinc finger protein 148, belong to the Kruppel C2H2-type zinc-finger protein family. The gene encoding for the MZF-1 protein maps to chromosome 19q13.43 while the gene encoding for ZBP-89 is localized on chromosome 3q21. These proteins are nuclear proteins involved in the regulation of transcriptional events. MZF-1 regulates transcription during hemopoietic development and plays a role in myeloid cell differentiation. MZF-1 regulates the CD34 promoter in a tissue-specific manner. MZF-1 and FHL3 can form a complex of high molecular mass with other proteins in the nucleus. It is induced by retinoic acid and is primarily expressed in differentiating myeloid cells.

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.

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.