Serum Response Element Binding Transcription Factor (SRF) Antibody

Mouse Monoclonal Antibody [Clone PCRP-SRF-1F7]

Catalog No	Format	Size
6722-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6722-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6722-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

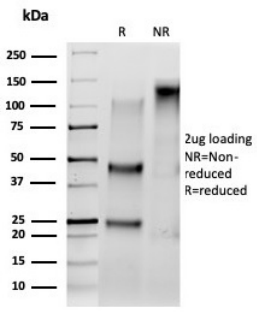
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

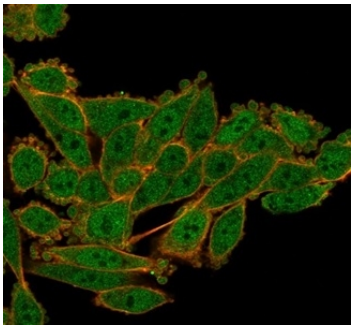
Clone	PCRP-SRF-1F7
Gene Name	SRF
Immunogen	Recombinant full-length human SRF protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b
Mol. Weight of Antigen	40-67kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	HeLa, U87 or Jurkat cells.

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

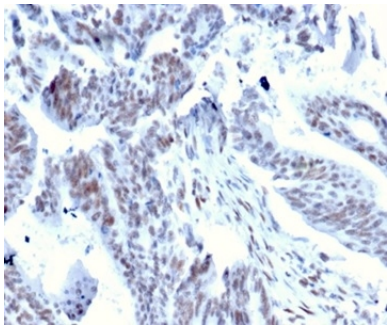
Product Images for Serum Response Element Binding Transcription Factor (SRF) Antibody



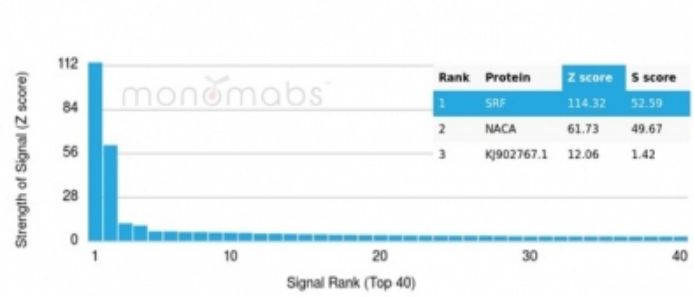
SDS-PAGE Analysis Purified SRF Mouse Monoclonal Antibody (PCRP-SRF-1F7). Confirmation of Purity and Integrity of Antibody.



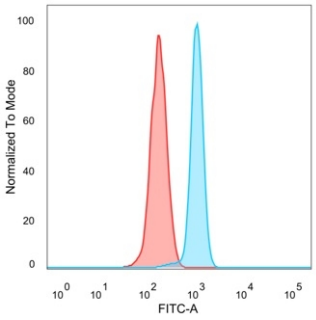
Immunofluorescence Analysis of PFA-fixed HeLa cells stained using SRF Mouse Monoclonal Antibody (PCRP-SRF-1F7) followed by goat anti-mouse IgG-CF488 (green). CF640R phalloidin (red).



IHC analysis of formalin-fixed, paraffin-embedded human colon. Strong nuclear staining using PCRP-SF7-1F1 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing SRF-Monospecific Mouse Monoclonal Antibody (PCRP-SRF-1F7). 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. SRF Mouse Monoclonal Antibody (PCRP-SRF-1F7) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).

Specificity & Comments

Serum response factor (SRF) is a transcription factor that binds the serum response element (SRE), a sequence that mediates the transient response of many cellular genes to growth stimulation. SRF-binding sites are also constitutive promotor elements in many muscle-specific promotors. At the c-Fos SRE, formation of a ternary complex containing SRF and its accessory protein p62TCF appears to be important for signal transduction. Two related Ets domain proteins, Elk-1 and SRF accessory protein-1 (SAP-1), have DNA binding properties identical to that of p62TCF. Elk-1 and SAP-1 contain two homologous regions of which the two amino-terminal regions, the Ets domain (box A) and the B box, mediate ternary complex formation with SRF. The third homologous region, the C box located toward the C-terminus of the proteins, contains conserved consensus phosphorylation sites for MAP kinases.

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

Cardiovascular, Developmental Biology, MAPK Signaling, Nuclear Marker, Signal Transduction, Transcription Factors

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.