PMS1 Antibody

Mouse Monoclonal Antibody [Clone PCRP-PMS1-2E11]

Catalog No	Format	Size
5378-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5378-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5378-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

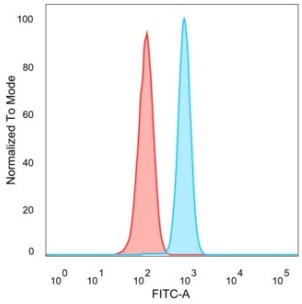
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

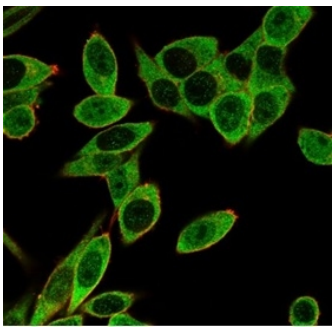
Clone	PCRP-PMS1-2E11
Gene Name	PMS1
Immunogen	Recombinant full-length human PMS1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1
Mol. Weight of Antigen	105.8kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	HeLa, U-251 MG or CACO-2 cells.

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

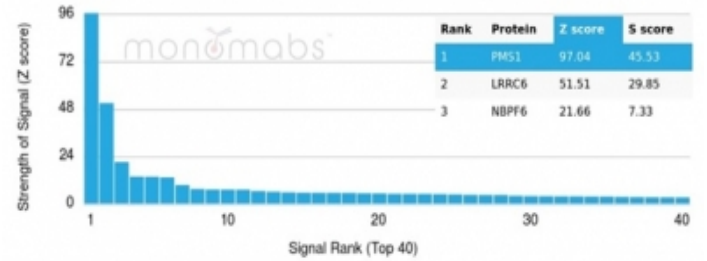
Product Images for PMS1 Antibody



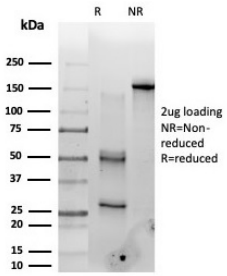
Flow cytometric analysis of PFA-fixed HeLa cells. PMS1 Mouse Monoclonal Antibody (PCRP-PMS1-2E11) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).



Immunofluorescence Analysis of PFA-fixed HeLa cells stained using PMS1 Mouse Monoclonal Antibody (PCRP-PMS1-2E11) [CF488]. PMS1 localized to nucleoplasm and nuclear bodies. Microtubules stained with CF640R.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing PMS1-Monospecific Mouse Monoclonal Antibody (PCRP-PMS1-2E11). 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 PMS1 Mouse Monoclonal Antibody (PCRP-PMS1-2E11). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

The finding that mutations in DNA mismatch repair genes are associated with hereditary nonpolyposis colorectal cancer (HNPCC) has resulted in considerable interest in the understanding of the mechanism of DNA mismatch repair. Initially, inherited mutations in the MSH2 and MLH1 homologs of the bacterial DNA mismatch repair genes MutS and MutL were demonstrated at high frequency in HNPCC and were shown to be associated with microsatellite instability. The demonstration that 10 to 45% of pancreatic, gastric, breast, ovarian and small cell lung cancers also display microsatellite instability has been interpreted to suggest that DNA mismatch repair is not restricted to HNPCC tumors but is a common feature in tumor initiation or progression. Two additional homologs of the prokaryotic MutL gene, designated PMS1 and PMS2, have been identified and shown to be mutated in the germline of HNPCC patients.

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.