Moesin Antibody

Mouse Monoclonal Antibody [Clone SPM562]

Catalog No	Format	Size
4478-MSM1X-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4478-MSM1X-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4478-MSM1X-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

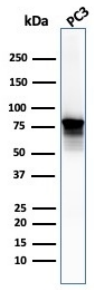
Applications	Tested Dillution	Note
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)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

Product Details

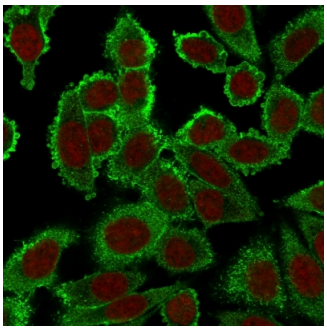
Clone	SPM562
Gene Name	MSN
Immunogen	Moesin Purified from uterus
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	78kDa
Cellular Localization	Apical cell membrane, Cell membrane, Cell projection, Cytoplasm, Cytoskeleton, Microvillus, Microvillus membrane
Species Reactivity	Human
Positive Control	CH3LC or HUVEC cells. Uterus, HeLa, HT-29, Melanoma, PC3, Placenta, Testicular Carcinoma., Tonsil

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

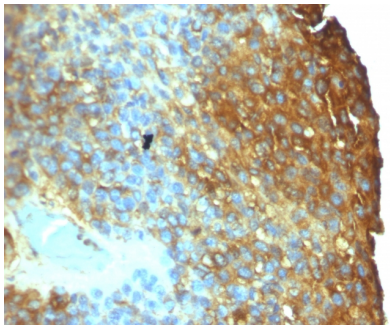
Product Images for Moesin Antibody



Western Blot Analysis of PC3 cell lysate. Moesin Mouse Monoclonal Antibody (SPM562).



Immunofluorescence Analysis of PFA fixed HeLa cells labeling Moesinwith Moesin Mouse Monoclonal Antibody (SPM562) followed by Goat anti-mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red).



Formalin-fixed, paraffin-embedded human Melanoma stained with Moesin Mouse Monoclonal Antibody (SPM295)

Specificity & Comments

Recognizes 78kDa moesin protein. Moesin, a member of the talin-4.1 superfamily, is a linking protein of the sub-membranous actin cytoskeleton. It is expressed in variable amounts in cells of different phenotypes such as macrophages, lymphocytes, fibroblastic, endothelial, epithelial, and neuronal cell lines but not in blood cells. The ERM proteins, ezrin, radixin, and moesin are involved in a variety of cellular functions, such as cell adhesion, migration, and the organization of cell surface structures, and are highly homologous, both in protein sequence and in functional activity, with merlin/schwannomin, a neurofibromatosis-2-associated tumor-suppressor protein. Cell lines of epithelial and mesothelial origin contain both moesin and radixin whereas cells of endothelial and lymphoid origin express moesin.

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

Autophagy, Cancer, Developmental Biology, Immunology, BBB VCAM-1 Signaling, Cytokine Signaling, Infectious Disease

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.