Moesin Antibody

Mouse Monoclonal Antibody [Clone MSN/491]

Catalog No	Format	Size
4478-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4478-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4478-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

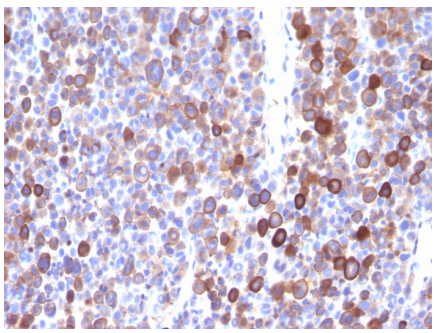
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling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

Product Details

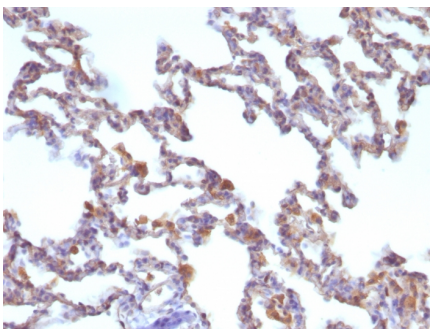
Clone	MSN/491
Gene Name	MSN
Immunogen	Recombinant full-length human Moesin protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	78kDa
Cellular Localization	Apical cell membrane, Cell membrane, Cell projection, Cytoplasm, Cytoskeleton, Microvillus, Microvillus membrane
Species Reactivity	Human, Rat
Positive Control	CH3LC or HUVEC cells. Uterus, HT-29, K562, Melanoma, Placenta, Testicular Carcinoma., Tonsil

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

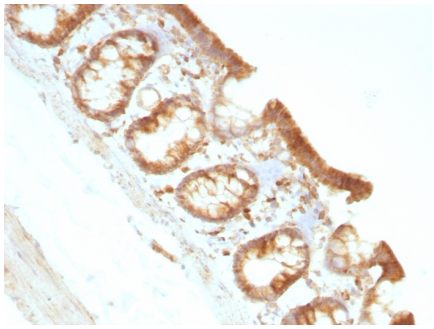
Product Images for Moesin Antibody



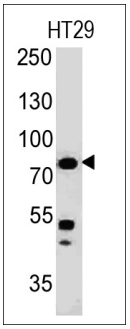
Formalin-fixed, paraffin-embedded human Melanoma stained with Moesin Mouse Monoclonal Antibody (MSN/491).



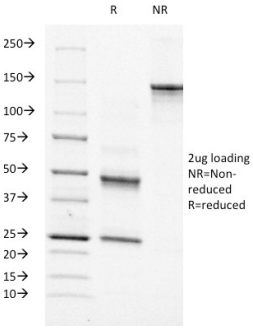
Formalin-fixed, paraffin-embedded Rat Lung stained with Moesin Mouse Monoclonal Antibody (MSN/491).



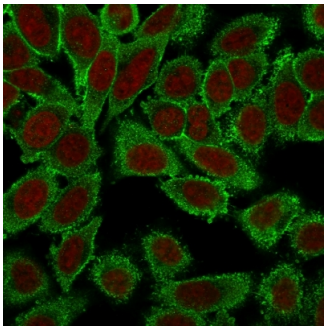
Formalin-fixed, paraffin-embedded Rat Colon stained with Moesin Mouse Monoclonal Antibody (MSN/491).



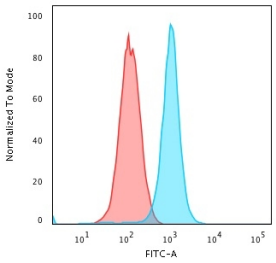
Western blot of HT29 cell lysate using Moesin Mouse Monoclonal Antibody (MSN/491).



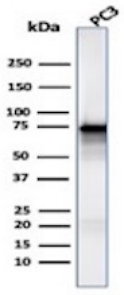
SDS-PAGE Analysis Purified Moesin Mouse Monoclonal Antibody (MSN/491).



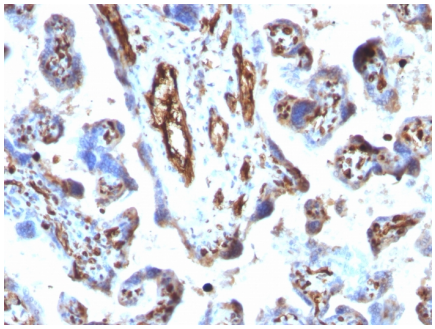
Immunofluorescence Analysis of PFA-fixed HeLa cells labeling Moesin with Moesin Mouse Monoclonal Antibody (MSN/491) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red)



Flow Cytometric Analysis of K562 cells using Moesin Mouse Monoclonal Antibody (MSN/491) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Western Blot Analysis of human PC3 cell lysate using Mouse Monoclonal Antibody (MSN/491).



Formalin-fixed, paraffin-embedded human Placenta stained with Moesin Mouse Monoclonal Antibody (MSN/491).

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

Limitations and Warranty