

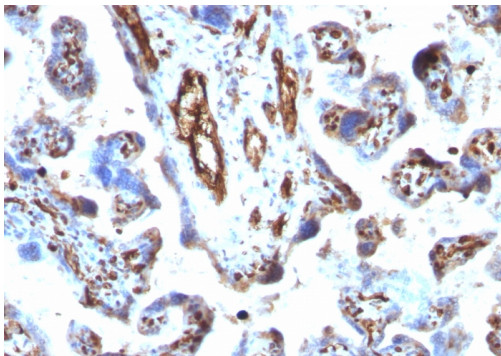
Moesin

Mouse Monoclonal Antibody [Clone MSN/491]

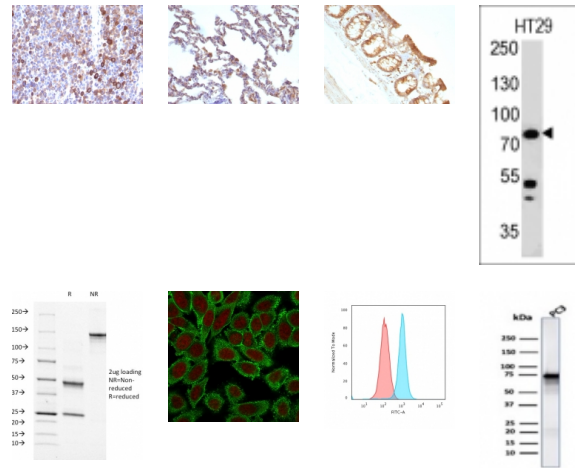
| Catalog No | Format | Size | Price (USD) |
|-----------------|---|--------|-------------|
| 4478-MSM1-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug | 219.00 |
| 4478-MSM1-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug | 499.00 |
| 4478-MSM1-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug | 499.00 |

| | |
|---------------------------|---|
| Human Entrez Gene ID | 4478 |
| Human SwissProt | P26038 |
| Human Unigene | 87752 |
| Human Gene Symbol | MSN |
| Human Chromosome Location | Xq11.1 |
| Synonyms | Membrane-organizing extension spike protein; Moesin/anaplastic lymphoma kinase fusion protein; MSN/ALK fusion |

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|------------------------|--|
| Immunogen | Recombinant full-length human Moesin protein |
| Host / Ig Isotype | Mouse / IgG1, kappa |
| Mol. Weight of Antigen | 78kDa |
| Cellular Localization | Cytoplasmic & Cell Surface |
| Species Reactivity | Human, Rat. |
| Positive Control | K562, HT-29, CH3LC or HUVEC cells. Uterus, Placenta, Tonsil, Melanoma, Testicular Carcinoma. |



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.

Known Applications & Suggested Dilutions

Flow Cytometry (1-2ug/million cells)
Immunofluorescence (2-4ug/ml)
Western Blot (1-2ug/ml)
Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes 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)
Optimal dilution for a specific application should be determined.

Key References

- Schwartz-Albiez R et. al., European Journal Cell Biology, 1995; 67:189-198.
- Lankes W et. al., Biochem Journal, 1988; 251:831-842.

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

This antibody is available for research use only and is not approved for use in diagnosis.

Warranty

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.