

## 36-2802: Anti-Moesin Monoclonal Antibody(Clone: MSN/491)

|                                |   |
|--------------------------------|---|
| <b>Clonality :</b>             | Monoclonal  |
| <b>Clone Name :</b>            | MSN/491   |
| <b>Application :</b>           | FACS,IF,WB,IHC  |
| <b>Reactivity :</b>            | Human, Rat  |
| <b>Gene :</b>                  | MSN   |
| <b>Gene ID :</b>               | 4478  |
| <b>Uniprot ID :</b>            | P26038  |
| <b>Alternative Name :</b>      | Membrane-organizing extension spike protein; Moesin/anaplastic lymphoma kinase fusion protein; MSN/ALK fusion |
| <b>Isotype :</b>               | Mouse IgG1, kappa   |
| <b>Immunogen Information :</b> | Recombinant full-length human Moesin protein  |

### Description

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.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 20 µg / 100 µg  |
| <b>Content :</b>           | 200 µg/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. |
| <b>Storage condition :</b> | 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.                               |

### Application Note

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);

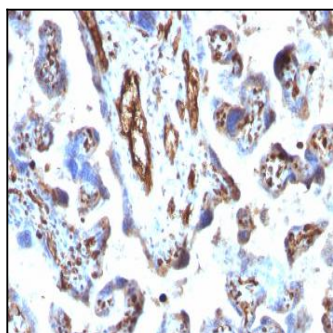


Fig. 1: Formalin-fixed, paraffin-embedded human Placenta stained with Moesin Mouse Monoclonal Antibody (MSN/491).

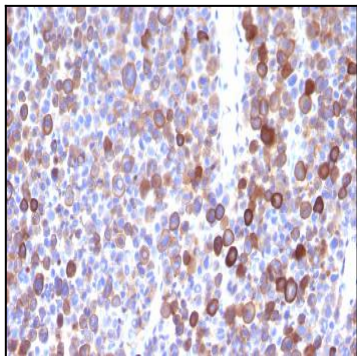


Fig. 2: Formalin-fixed, paraffin-embedded human Melanoma stained with Moesin Mouse Monoclonal Antibody (MSN/491).

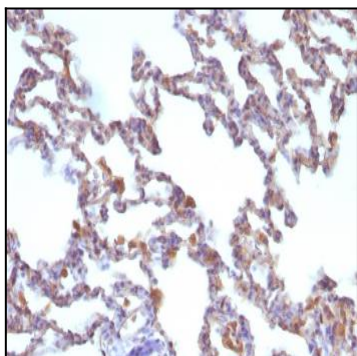


Fig. 3: Formalin-fixed, paraffin-embedded Rat Lung stained with Moesin Mouse Monoclonal Antibody (MSN/491).

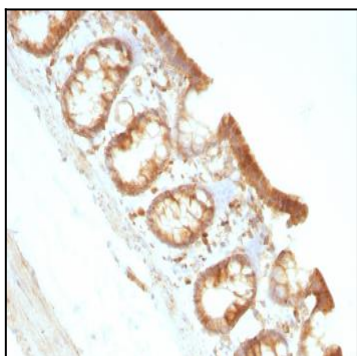


Fig. 4: Formalin-fixed, paraffin-embedded Rat Colon stained with Moesin Mouse Monoclonal Antibody (MSN/491).

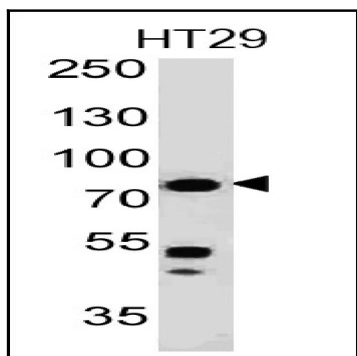


Fig. 5: Western blot of HT29 cell lysate using Moesin Mouse Monoclonal Antibody (MSN/491).

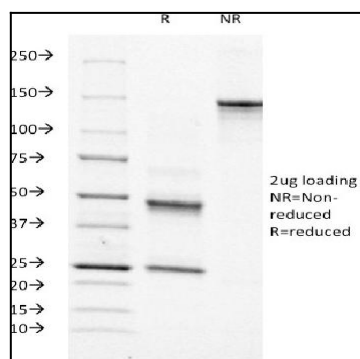


Fig. 6: SDS-PAGE Analysis Purified Moesin Mouse Monoclonal Antibody (MSN/491).

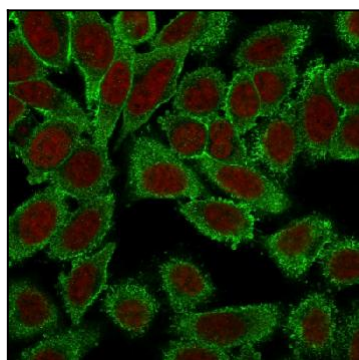


Fig. 7: Immunofluorescence Analysis of PFA-fixed HeLa cells labeling Moesin with Moesin Mouse Monoclonal Antibody (MSN/491) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red)