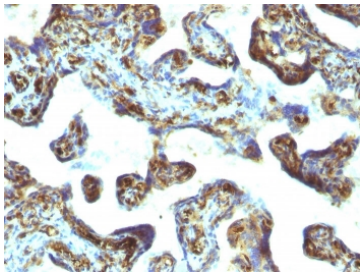
Moesin Antibody [clone MSN/493] (V2719)

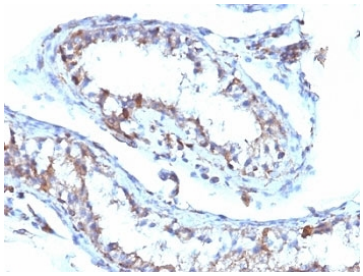
Catalog No.	Formulation	Size
V2719-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2719-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2719SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2719IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

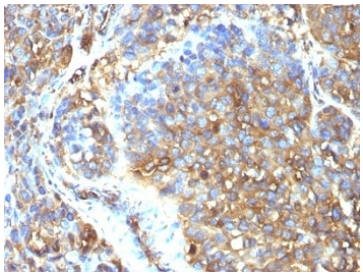
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	MSN/493
Purity	Protein G affinity chromatography
UniProt	P26038
Localization	Cytoplasmic & cell surface
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 2-4ug/ml Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Moesin antibody is available for research use only.



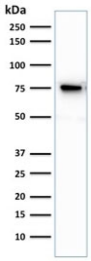
IHC: Formalin-fixed, paraffin-embedded human placenta stained with Moesin antibody (MSN/493). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



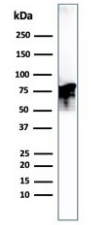
IHC: Formalin-fixed, paraffin-embedded human testicular carcinoma stained with Moesin antibody (MSN/493). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



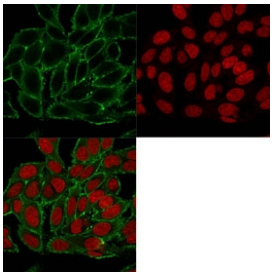
IHC: Formalin-fixed, paraffin-embedded human melanoma stained with Moesin antibody (MSN/493). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



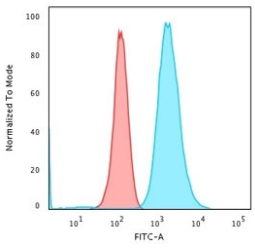
Western blot testing of human Jurkat cell lysate with Moesin antibody. Predicted molecular weight ~68 kDa but routinely observed at 68-78 kDa.



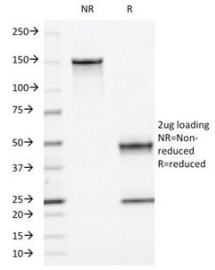
Western blot testing of human PC3 cell lysate with Moesin antibody. Predicted molecular weight ~68 kDa but routinely observed at 68-78 kDa.



Immunofluorescent staining of PFA-fixed human HeLa cells with Moesin antibody (clone MSN/493, green) and Reddot nuclear stain (red).



Flow cytometry testing of PFA-fixed human K562 cells with Moesin antibody (clone MSN/493); Red=isotype control, Blue= Moesin antibody.



SDS-PAGE Analysis of Purified, BSA-Free Moesin Antibody (clone MSN/493). Confirmation of Integrity and Purity of the Antibody.

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.

Application Notes

Optimal dilution of the Moesin antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant full-length human protein was used as the immunogen for the Moesin antibody.

Storage

Store the Moesin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).