

Mouse Moesin/MSN Monoclonal Antibody | anti-MSN antibody

Anti-Moesin/MSN Antibody Picoband (monoclonal, 8D4)

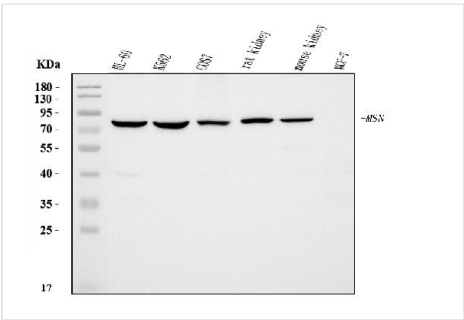
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19671	Mouse	Human, Mouse, Rat, Monkey	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

Moesin/MSN; Monoclonal Antibody; Anti-Moesin/MSN Antibody Picoband (monoclonal; 8D4); anti-MSN antibody

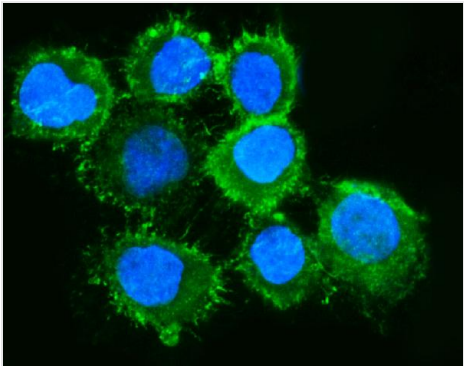
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat, Monkey
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	8D4
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-MSN antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Application Notes	WB: 0.25-0.5 ug/ml, Human, Mouse, Rat, Monkey IHC-P: 2-5 ug/ml, Human ICC/IF: 5 ug/ml, Human FC/FACS: 1-3 ug/1x ⁶ cells, Human Tested Species: In-house tested species with positive results. Enhanced Chemiluminescent Kit with anti-Mouse IgG for Western blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit for IHC(P) and ICC.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human Moesin/MSN recombinant protein (Position: R184-K568).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



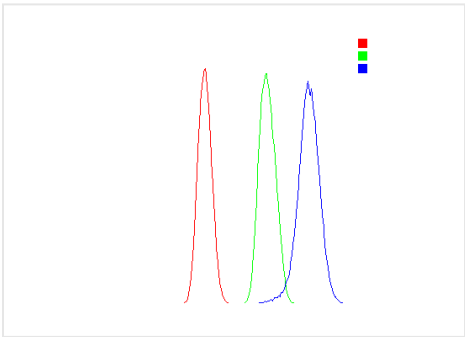
WB (Western Blot)

Figure 1. Western blot analysis of Moesin/MSN using anti-Moesin/MSN antibody (AAA19671). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HL-60 whole cell lysates, Lane 2: human K562 whole cell lysates, Lane 3: monkey COS-7 whole cell lysates, Lane 4: rat kidney tissue lysates, Lane 5: mouse kidney tissue lysates, Lane 6: human MCF-7 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with mouse anti-Moesin/MSN antigen affinity purified monoclonal antibody (#AAA19671) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-mouse IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Moesin/MSN at approximately 78 kDa. The expected band size for Moesin/MSN is at 78 kDa.



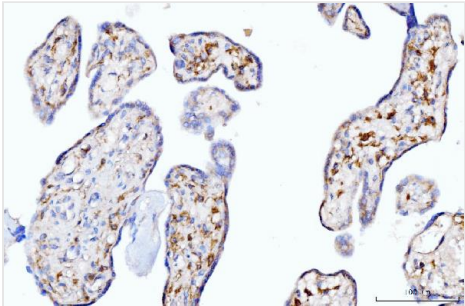
IF (Immunofluorescence)

Figure 6. IF analysis of Moesin/MSN using anti-Moesin/MSN antibody (AAA19671). Moesin/MSN was detected in an immunocytochemical section of SiHa cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL mouse anti-Moesin/MSN Antibody (AAA19671) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Mouse IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



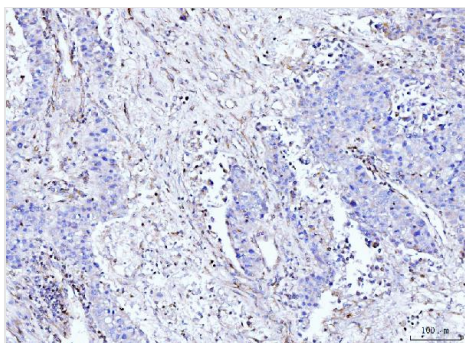
FCM (Flow Cytometry)

Figure 7. Flow Cytometry analysis of U87 cells using anti-Moesin/MSN antibody (AAA19671). Overlay histogram showing U87 cells stained with AAA19671 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with mouse anti-Moesin/MSN Antibody (AAA19671, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-mouse IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was mouse IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



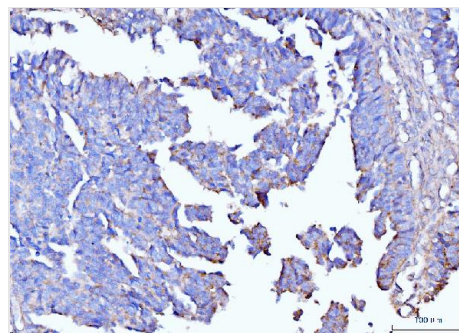
IHC (Immunohistochemistry)

Figure 5. IHC analysis of Moesin/MSN using anti-Moesin/MSN antibody (AAA19671). Moesin/MSN was detected in a paraffin-embedded section of human placenta tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml mouse anti-Moesin/MSN Antibody (AAA19671) overnight at 4 degree C. Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (#SA1021) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 4. IHC analysis of Moesin/MSN using anti-Moesin/MSN antibody (AAA19671). Moesin/MSN was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml mouse anti-Moesin/MSN Antibody (AAA19671) overnight at 4 degree C. Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (#SA1021) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of Moesin/MSN using anti-Moesin/MSN antibody (AAA19671). Moesin/MSN was detected in a paraffin-embedded section of human colonic adenocarcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml mouse anti-Moesin/MSN Antibody (AAA19671) overnight at 4 degree C. Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (#SA1021) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-MSN antibody	Moesin is a protein that in humans is encoded by the MSN gene. It is mapped to Xq12. Moesin (for membrane-organizing extension spike protein) is a member of the ERM family which includes ezrin and radixin. ERM proteins appear to function as cross-linkers between plasma membranes and actin-based cytoskeletons. Moesin is localized to filopodia and other membranous protrusions that are important for cell-cell recognition and signaling and for cell movement.
Product Categories/Family for anti-MSN antibody	Primary Antibodies, Mouse Monoclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505257
NCBI GeneID	4478
NCBI Accession #	NP_002435.1
NCBI GenBank Nucleotide #	NM_002444.2
UniProt Accession #	P26038
Molecular Weight	577
NCBI Official Full Name	moesin
NCBI Official Synonym Full Names	moesin
NCBI Official Symbol	MSN
NCBI Protein Information	moesin; membrane-organizing extension spike protein
UniProt Protein Name	Moesin
UniProt Gene Name	MSN
UniProt Entry Name	MOES_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/moesin-msn-antibody-clone-8d4-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/19671>