

Mouse anti-Human Myofibroblast Marker Monoclonal Antibody

Myofibroblast Marker

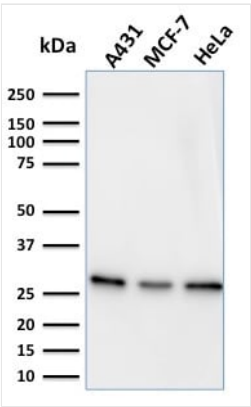
CATALOG # AAA215328	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

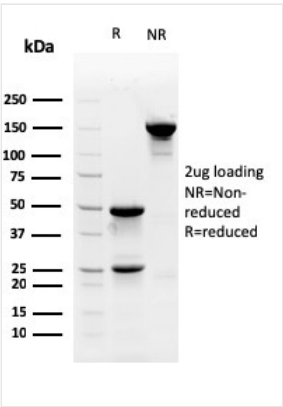
Myofibroblast Marker; Monoclonal Antibody; anti-Myofibroblast Marker antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	PR 2D3
Specificity	Myofibroblasts are a unique group of smooth muscle-like fibroblasts that play an important role in oncogenesis, inflammation, repair, wound contraction and fibrosis. Like smooth muscle (SM) cells, myofibroblasts contain microfilament bundles and express -SM Actin, the Actin isoform that is present in myoepithelial cells and SM cells and especially abundant in vascular SM cells. Myofibroblasts secrete inflammatory and anti-inflammatory cytokines, chemokines, growth factors and lipid and gaseous inflammatory mediators, as well as extracellular matrix proteins and proteases in most organs and tissues. Besides being temporarily present following tissue injuries and fibrocontractive diseases, myofibroblasts are also present under normal conditions in regions such as the skin, pulmonary septa and periodontal ligaments. Stem cell factor and platelet-derived growth factor (PDGF) are two secreted proteins responsible for differentiating myofibroblasts from embryological stem cells. PR 2D3 reacts with a cell membrane component of cells in the pericrypt sheath; with smooth muscle cells and myofibroblasts. This antibody is considered to be the gold standard for the identification of myofibroblasts.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	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.
Applicable Applications for anti-Myofibroblast Marker antibody	IHC (Immunohistochemistry), WB (Western Blot)
Positive Control	Myofibroblasts.
Immunogen	Crude homogenate of normal human colorectal mucosa
Cellular Localization	Cell Membrane component of cells in the pericrypt sheath; with smooth muscle cells and myofibroblasts.
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



WB (Western Blot)
Western Blot Analysis of A431, MCF-7 & HeLa cell lysates using Myofibroblast Marker Mouse Monoclonal Antibody (PR 2D3).



SDS-PAGE
SDS-PAGE Analysis Purified Myofibroblast Marker Mouse Monoclonal Antibody (PR 2D3). Confirmation of Purity and Integrity of Antibody.

NCBI AND UNIPROT INFORMATION

Molecular Weight	28kDa
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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/myofibroblast-marker-antibody-clone-pr-2d3-immunohistochemistry-western-blot-elisa/215328>