

Myofibroblast Marker Antibody

Mouse Monoclonal Antibody [Clone PR 2D3]

Catalog No	Format	Size
MSM1-3069-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
MSM1-3069-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
MSM1-3069-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

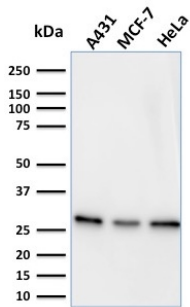
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

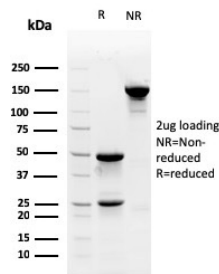
Clone	PR 2D3
Gene Name	N/A
Immunogen	Crude homogenate of normal human colorectal mucosa
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	28kDa
Cellular Localization	N/A
Species Reactivity	Human
Positive Control	Myofibroblasts.

*Optimal dilution for a specific application should be determined.

Product Images for Myofibroblast Marker Antibody



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



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

Specificity & Comments

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 pericypt sheath; with smooth muscle cells and myofibroblasts. This antibody is considered to be the gold standard for the identification of myofibroblasts.

Limitations and Warranty

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

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.
