

Product Datasheet

Myofibroblast Marker Antibody (PR 2D3) [mFluor Violet 500 SE] NBP3-08768MFV500

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP3-08768MFV500**Myofibroblast Marker Antibody (PR 2D3) [mFluor Violet 500 SE]**

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	PR 2D3
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	mFluor Violet 500 SE
Purity	Protein A or G purified
Buffer	50mM Sodium Borate
Product Description	
Host	Mouse
Species	Human
Marker	Myofibroblast Marker
Specificity/Sensitivity	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.
Immunogen	Crude homogenate of normal human colorectal mucosa
Notes	mFluor(TM) is a trademark of AAT Bioquest, Inc. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, Immunohistochemistry-Paraffin
Application Notes	Optimal dilution of this antibody should be experimentally determined.

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Products Related to NBP3-08768MFV500

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
NBP1-43319MFV500	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [mFluor Violet 500 SE]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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