

# Product Datasheet

## Actin (Muscle Specific) Antibody (SPM160) [mFluor Violet 500 SE] NBP2-34399MFV500

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-34399MFV500**

Actin (Muscle Specific) Antibody (SPM160) [mFluor Violet 500 SE]

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	SPM160
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Conjugate</b>	mFluor Violet 500 SE
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	50mM Sodium Borate

Product Description	
<b>Host</b>	Mouse
<b>Gene ID</b>	58
<b>Gene Symbol</b>	ACTA1
<b>Species</b>	Human, Rat, Rabbit
<b>Marker</b>	Muscle Cell Marker
<b>Specificity/Sensitivity</b>	This antibody recognizes actin of skeletal, cardiac, and smooth muscle cells. It is not reactive with other mesenchymal cells except for myoepithelium. Actin can be resolved on the basis of its isoelectric points into three distinctive components: alpha, beta, and gamma in order of increasing isoelectric point. Anti-muscle specific actin recognizes alpha and gamma isotype of all muscle groups. Non-muscle cells such as vascular endothelial cells and connective tissues are non-reactive. Also, neoplastic cells of non-muscle-derived tissue such as carcinomas, melanomas, and lymphomas are negative. It stains tumors of smooth muscle (leiomyomas and leiomyosarcomas) as well as skeletal muscle (rhabdomyomas and rhabdomyosarcomas).
<b>Immunogen</b>	SDS extract of human myocardium.
<b>Notes</b>	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	
<b>Applications</b>	Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
<b>Recommended Dilutions</b>	Flow Cytometry, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



## Images

Actin (Muscle Specific) Antibody (SPM160) [mFluor Violet 500 SE] - Vial of mFluor Violet 500 conjugated antibody. mFluor Violet 500 is optimally excited at 410 nm by the Violet laser (405 nm) and has an emission maximum of 501 nm.



mFluor™ Violet 500

LASER (nm)	FILTER
Violet (405)	515/20

EXCITATION MAX (nm)	EMISSION MAX (nm)
410	501



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### **Products Related to NBP2-34399MFV500**

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664-LI-025	LIGHT/TNFSF14 [Unconjugated]
NB300-223	Vimentin Antibody
NB100-56503	Cytochrome c Antibody (7H8.2C12) - BSA Free
MAB1455	Albumin Antibody (188835) [Unconjugated] - Serum

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### **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.

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