

# Product Datasheet

## Myosin heavy chain 11 Antibody (MYH11/923 + SMMS-1) [Alexa Fluor® 647] NBP2-44534AF647

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-44534AF647**

Myosin heavy chain 11 Antibody (MYH11/923 + SMMS-1) [Alexa Fluor® 647]

<b>Product Information</b>	
<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>	MYH11/923 + SMMS-1
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa/IgG1 Kappa
<b>Conjugate</b>	Alexa Fluor 647
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	4629
<b>Gene Symbol</b>	MYH11
<b>Species</b>	Human, Rat
<b>Reactivity Notes</b>	Predicted to have broad species reactivity.
<b>Marker</b>	Leiomyosarcoma & Myoepithelial Cell Marker
<b>Specificity/Sensitivity</b>	Smooth muscle myosin heavy chain (SM-MHC) is a cytoplasmic structural protein, which is a major component of the contractile apparatus in smooth muscle cells. Expression of smooth muscle myosin is developmentally regulated, appearing early in smooth muscle development, and is specific for smooth muscle development. Two isoforms of smooth muscle myosin heavy chain have been identified, designated MHC-1 and MHC-2. The antibody may be useful for the study of breast tumors as the presence of an intact layer of myoepithelial cells is an important feature, which may distinguish benign breast lesions and carcinoma in situ from invasive tumors.
<b>Immunogen</b>	Recombinant human Myosin heavy chain 11 protein (Myosin heavy chain 11/923); Human uterus extract (SMMS-1) (Uniprot: P35749)

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<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



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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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