

Datasheet for ABIN6180074

**anti-Myosin (Smooth Muscle Heavy Chain) antibody  
(CF®405S)**[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	Myosin (Smooth Muscle Heavy Chain)
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Myosin (Smooth Muscle Heavy Chain) antibody is conjugated to CF®405S
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

## Product Details

Purpose:	Mouse Monoclonal anti-Myosin, Smooth Muscle Heavy chain (MYH11/923 + SMMS-1), CF405S Conjugate
Immunogen:	Recombinant human MYH11 protein (MYH11/923), Human uterus extract (SMMS-1)
Clone:	MYH11-923 SMMS-1
Isotype:	IgG
Characteristics:	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

## Product Details

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important feature, which may distinguish benign breast lesions and carcinoma in situ from invasive tumors. Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

## Target Details

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Target:	Myosin (Smooth Muscle Heavy Chain)
Alternative Name:	Myosin, Smooth Muscle Heavy chain ( <a href="#">Myosin (Smooth Muscle Heavy Chain) Products</a> )
Background:	AAT4, Myosin heavy chain 11 (MYH11), Myosin heavy chain 11 smooth muscle, Smooth muscle myosin heavy chain 11, Myosin-11, SM1, SM2, SMHC, SMMHC
Molecular Weight:	205 kDa (MHC-1) and 200 kDa (MHC-2)
Gene ID:	4629, 460109
UniProt:	<a href="#">P35749</a>

## Application Details

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Application Notes:	Immunohistology formalin-fixed 0.5-1 µg/mL <ul style="list-style-type: none"><li>• Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes</li><li>• Immunofluorescence 0.5-1 µg/mL</li><li>• Flow Cytometry 0.5-1 µg/million cells/0.1 mL</li><li>• Predicted to show broad species reactivity</li><li>• Optimal dilution for a specific application should be determined by user</li></ul>
Comment:	Uterus or normal breast
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	100 µg/mL
Buffer:	PBS/0.1 % BSA/0.05 % azide
Preservative:	Sodium azide

## Handling

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Handling Advice: Protect from light