

## Anti-ACTA2 antibody [4A4] (STJ97813)

STJ97813

### GENERAL INFORMATION

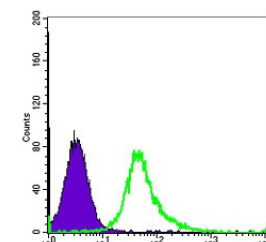
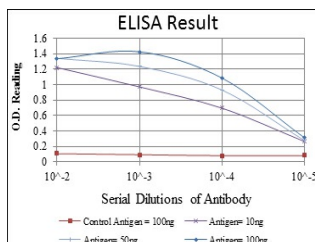
<b>Product Type</b>	Primary antibodies
<b>Short Description</b>	Mouse monoclonal antibody anti-Actin-Aortic Smooth Muscle is suitable for use in Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Flow Cytometry and ELISA research applications.
<b>Applications</b>	WB, IHC-P, IF, ICC, FC, ELISA
<b>Host/Source</b>	Mouse
<b>Reactivity</b>	Human, Mouse, Rat, Monkey

### PRODUCT PROPERTIES

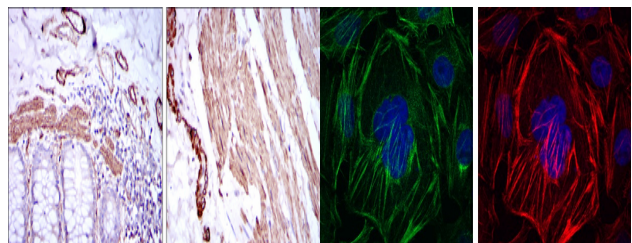
<b>Clonality</b>	Monoclonal
<b>Clone ID</b>	4A4
<b>Concentration</b>	
<b>Conjugation</b>	Unconjugated
<b>Purification</b>	The antibody was isolated from ascitic fluid by immunoaffinity chromatography using antigens coupled to agarose beads.
<b>Dilution Range</b>	WB 1:500-1:2000 IHC 1:200-1:1000 IF 1:200-1:1000 FC 1:200-1:400 ELISA 1:10000
<b>Formulation</b>	Ascitic fluid, 0.03% Sodium Azide, 0.5% BSA, 50% Glycerol.
<b>Isotype</b>	IgG1
<b>Storage</b>	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.
<b>Instruction</b>	

### TARGET INFORMATION

<b>Gene ID</b>	59
<b>Gene Symbol</b>	ACTA2
<b>Uniprot ID</b>	ACTA_HUMAN
<b>Immunogen</b>	Synthesized peptide of human ACTA2.
<b>Immunogen Region</b>	
<b>Specificity</b>	ACTA2 monoclonal antibody (Actin-Aortic Smooth Muscle) binds to endogenous Actin-Aortic Smooth Muscle.
<b>Immunogen Sequence</b>	



Flow cytometric analysis of HeLa cells using ACTA2 monoclonal antibody (green) and negative control (purple).



Immunohistochemistry analysis of paraffin-embedded human duodenum tissues (left) and human esophagus tissues (right) with DAB staining using ACTA2 monoclonal antibody.

Immunofluorescence analysis of HepG2 cells using ACTA2 monoclonal antibody (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Blue: DAPI fluorescent DNA dye.

This product is suitable for in-vitro studies under the RESEARCH USE ONLY [RUO] licence. This product must not be used as for diagnostic or other medical purposes.  
St John's Laboratory Ltd, Knowledge Dock Business Centre, University Way, London, E16 2RD | Tel: 0208 223 3081