

For Research Use Only

CoraLite®594-conjugated smooth muscle actin specific Recombinant antibody



Catalog Number: **CL594-80008**

Basic Information

Catalog Number: CL594-80008	GenBank Accession Number: NM_001613	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 59	CloneNo.: 5H7
Source: Rabbit	UNIPROT ID: P62736	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG	Full Name: actin, alpha 2, smooth muscle, aorta	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
	Calculated MW: 42 kDa	
	Observed MW: 42 kDa	

Applications

Tested Applications: FC (Intra), IF-P	Positive Controls: IF : mouse heart tissue,
Species Specificity: Human, mouse, rat, chicken, pig	

Background Information

ACTA2 (also known as α -smooth muscle actin or α -SMA) belongs to the actin family. Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. ACTA2 is primarily expressed in vascular smooth muscle and anti-ACTA2 is commonly used to marker smooth muscle cells.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

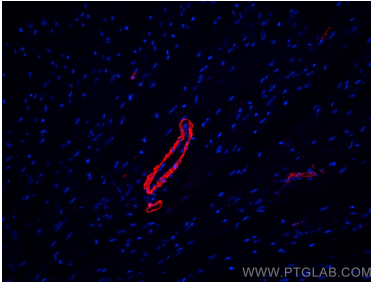
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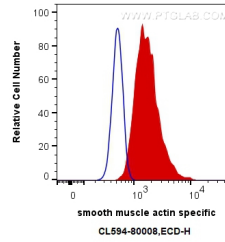
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using Coralite®594 smooth muscle actin specific antibody (CL594-80008, Clone: 5H7) at dilution of 1:200.



1X10⁶ C2C12 cells were intracellularly stained with 0.4 ug Coralite®594 Anti-Human smooth muscle actin specific (CL594-80008, Clone:5H7) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).