

## Smooth Muscle Myosin Heavy Chain (SM-MHC)

Mouse Monoclonal Antibody

### **【Catalog Number】**

REF 0413

### **【Package Size】**

Ready to use:  1mL  2mL  3mL  5mL  6mL

Concentrated:  0.1mL  0.2 mL  0.5mL  1.0mL

### **【Intended Use】**

Mouse Monoclonal anti-Smooth Muscle Myosin Heavy Chain (SM-MHC) antibody is intended for use to qualitatively identify SM-MHC antigen by light microscopy in sections of formalin-fixed, paraffin-embedded tissue using IHC detection methodology.

***This antibody is for research use only (RUO).***

### **【Specimen Collection and Preparation for Analysis】**

Formalin-fixed, paraffin-embedded tissues.

Each section should be cut to the appropriate thickness (2-5  $\mu$ m) for the primary antibody being used and placed on a positively charged glass microscope slide.

### **【Storage and Handling】**

Store at 2-8°C. Do not freeze.

Do not use product beyond the expiration date for the storage method.

### **【Reagents Provided】**

Clone: MYH11/923

Buffer: 10mM pH 7.4 Phosphate Puffer Saline (PBS).

Stabilizer: 0.05% bovine serum (BSA).

Preservative: 0.05% sodium azide (NaN<sub>3</sub>).

Ready-to-use antibody concentration: 2-5 $\mu$ g/mL.

Concentrated antibody concentration: 50-200 $\mu$ g/mL.

### **【Staining Procedure】**

1. Deparaffinized slides in 3 changes of xylene (or Dewax solution), 10 minutes each. and hydrate

through a graded series alcohols .

2. Wash the section in 90%, 80% and 70% ethyl alcohol for 10 minutes each.

3. Rinse in distilled water, 2 x 5 minutes.

4. Block the endogenous peroxidase by incubating the tissue in 3% hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) for 10 minutes.

5. Wash in distilled water, 2 x 5 minutes.

6. Antigen retrieval: Place slides in a pressure cooker filled with Epitope Retrieval Solution (Citrate, pH 6.0) buffer.

7. Wash in PBS 2 x 5 minutes.

8. Concentrated Antibody Dilution

Suggested Dilution: 1:50-1:100

The optimal dilution for a specific application under a given set of experimental conditions should be determined by the investigator.

9. Add 100 $\mu$ L primary antibody, Incubate for 30 minutes . Wash in PBS 2 x 5 minutes.

10. Add 100 $\mu$ L secondary antibody (the protocol depends on the supplier), and proceed to standard immunohistochemistry protocol. Wash in PBS 2 x 5 minutes.

11. Add 100 $\mu$ L DAB solution (the protocol depends on the supplier), Incubate for 2-10 minutes. Wash in PBS 2 x 5 minutes.

12. Counterstain with hematoxylin. Rinse with deionized water.

### **【Contact Information】**



**Shanghai Long Island Antibody Diagnostica Inc.**

Add: 100A, Building #1, No. 288 Hangnanzhi Road,  
Zhuanghang Industrial Zone, Fengxian District, 201415  
Shanghai, People's Republic of China

Tel: +86 21-64910505; 400-920-0015

Fax: +86 21-57469228

Email: sales@longislandab.com

