

## Mouse Monoclonal anti-Muscle Actin, Clone HHF35

60-0002; 60-0002-7  
61-0002; 61-0002-2; 61-0002-5  
Isotype  
Concentration  
6 mL; 7 mL predilute Antibody, Ready-To-Use  
1 mL; 0.2 mL; 0.5 mL Concentrate Antibody  
IgG1  
See container label

### Intended Use

For In Vitro Diagnostic Use.  
This product is used to qualitatively detect muscle actin in normal and neoplastic formalin fixed paraffin embedded tissue sections in immunohistochemical detection methodology. Interpretation must be made within the context of the patient's clinical history and other diagnostic test by a qualified pathologist.

### Description

This antibody recognizes all muscular actin isotypes. It labels myoepithelial, smooth muscle, skeletal, cardiac muscle cells and leiomyomas. It has been reported to react with pericytes and reactive myofibroblasts. Positive staining cells have been reported in some sarcomas, representing either myofibroblasts or pericytes components.  
Using this antibody with other myogenic markers such as smooth muscle actin, desmin and vimentin will be very helpful for differentiation of tumor from muscle origin. Clone HHF35 has been demonstrated to be reliable marker for soft tissue tumors with muscle differentiation, i.e. leiomyomas, leiomyosarcomas, and rhabdomyosarcomas.

### Reagent provided

This antibody is purified immunoglobulin diluted in 10 mM Phosphate buffered saline (PBS), pH 7.2 containing 1% bovine serum albumin (BSA) and 0.09% sodium azide ( $\text{NaN}_3$ ) as antimicrobial agent.

### Precautions

For professional users.  
Proper handling of this product as with any product derived from biological sources according to local and applicable regulations.  
Sodium azide is a toxic chemical. The concentration in this product is not classified as hazardous, however, the build-ups of  $\text{NaN}_3$  may react with lead and copper plumbing to form highly explosive metal azides. Flush the disposed reagent with large volume of water to prevent azide build-up.

### Usage

**Dilution** 60-0002; 60-0002-7: Ready-To-Use  
61-0002; 61-0002-2; 61-0002-5: Dilute 1:50 to 1:100 before use. Dilution guideline when using Acu-Stain™ detection system. Optimum dilution factor may vary depending on the specimen and preparation process and should be determined by each individual investigator.

### Staining procedure

Incubate this antibody with tissue section for 30-60 minutes at room temperature. Follow the instructions from the selected detection system.

**Positive control tissue** Gastric Intestinal Tract

**Epitope retrieval** Not Required

**Staining pattern** Cytoplasmic

**Storage** Store at 2-8°C.

### References

1. Tsukada T, et al. Am J Pathol. 1987 Jan;126(1):51-60.
2. Tsukada T, et al. Am J Pathol. 1987 May;127(2):389-402.
3. Rangdaeng S, et al. Am J Clin Pathol. 1991 Jul;96(1):32-45.