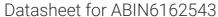
# antibodies - online.com





# anti-Actin, Muscle Specific antibody (CF®647)



#### Overview

| Quantity:    | 100 μL   |
|--------------|--|
| Target:      | Actin, Muscle Specific   |
| Reactivity:  | Human, Rabbit, Rat, Dog, Mouse, Cat, Chicken   |
| Host:        | Mouse  |
| Clonality:   | Monoclonal   |
| Conjugate:   | This Actin, Muscle Specific antibody is conjugated to CF®647   |
| Application: | Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Formalin-fixed Sections) (IHC (f)) |

#### **Product Details**

| Purpose:         | Mouse Monoclonal anti-Muscle Specific Actin (HHF35), CF647 Conjugate                           |
|------------------|--|
| Immunogen:       | SDS extract of human myocardium.   |
| Clone:           | HHF35  |
| Isotype:         | IgG1 kappa   |
| Characteristics: | This antibody recognizes actin of skeletal cardiac and smooth muscle cells. It is not reactive |

Characteristics:

This antibody recognizes actin of skeletal, cardiac, and smooth muscle cells. It is not reactive with other mesenchymal cells except for myoepithelium. Actin can be resolved on the basis of its isoelectric points into three distinctive components: alpha, beta, and gamma in order of increasing isoelectric point. Anti-muscle specific actin recognizes alpha and gamma isotypes of all muscle groups. Non-muscle cells such as vascular endothelial cells and connective tissues are non-reactive. Also, neoplastic cells of non-muscle-derived tissue such as carcinomas, melanomas, and lymphomas are negative. It stains tumors of smooth muscle (leiomyomas and

leiomyosarcomas) as well as skeletal muscle (rhabdomyomas and rhabdomyosarcomas). 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**

| Target:           | Actin, Muscle Specific  |
|-------------------|---|
| Alternative Name: | Muscle Specific Actin (Actin, Muscle Specific Products)   |
| Background:       | ACTA, ACTA1, ACTA2, ACTC1, Actin, ACTSA, Alpha-2 actin, alpha skeletal muscle, Alpha-actin-1, Cardiac muscle alpha actin-1, Skeletal muscle alpha actin-1 |
| Molecular Weight: | Multiple  |
| Gene ID:          | 58, 59, 70  |
| UniProt:          | P62736  |

## **Application Details**

| Application No | otes: |
|----------------|-------|
|----------------|-------|

Immunohistology formalin-fixed 0.25-0.5 µg/mL

- 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
- Immunofluorescence 0.5-1 μg/mL
- Flow Cytometry 0.5-1 μg/million cells/0.1 mL
- · Optimal dilution for a specific application should be determined by user

Comment: Muscle or sarcoma

Restrictions: For Research Use only

#### Handling

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

## Handling

| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
|--------------------|--|
| Handling Advice:   | Protect from light   |