Mouse Anti-Myogenin (MyF4) [F5D]: MC0346, MC0346RTU7

**Intended Use:** For Research Use Only

**Description:** Myogenic factors are transcription factors consisting of an amino acid-rich region and a helix-loop-helix (HLH) structure, which can promote muscle development and maintain muscle-specific gene expression by transactivation. Myogenin, one of the myogenic regulatory factors, plays a key role in determining the commitment and differentiation of primitive mesenchymal cells into skeletal muscle. The expression of Myogenin is restricted to cells of skeletal muscle origin, but it is not detected in adult skeletal muscles. It is therefore considered to be an extremely reliable and specific marker for diagnosing rhabdomyosarcomas.

**Specifications**
- **Clone:** F5D
- **Source:** Mouse
- **Reactivity:** Human
- **Isotype:** IgG1
- **Localization:** Nucleus
- **Formulation:** Antibody in PBS pH7.4, containing BSA and ≤0.09% sodium azide (NaN3)
- **Storage:** Store at 2°- 8°C
- **Applications:** IHC

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog No.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Myogenin (MyF4) Concentrated</td>
<td>MC0346</td>
<td>1 ml</td>
</tr>
<tr>
<td>Myogenin (MyF4) Prediluted</td>
<td>MC0346RTU7</td>
<td>7 ml</td>
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</tbody>
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**IHC Procedure**
- **Positive Control Tissue:** Tonsil, myeloma
- **Concentrated Dilution:** 50-200
- **Pretreatment:** Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
- **Incubation Time and Temp:** 30-60 minutes @ RT
- **Detection:** Refer to the detection system manual

*Result should be confirmed by an established diagnostic procedure.*

FFPE human rhabdomyosarcoma stained with anti-Myogenin using DAB

**References:**