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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### SZABO-SCANDIC HandelsgmbH

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## Purified Mouse Anti-MyoD1 Monoclonal Antibody

**CLSG36792**  
**CLSG36792-05**

<b>Immunogen:</b>	BALB/C mice were injected with a recombinant mouse MyoD1 protein.
<b>Clone:</b>	5.2F
<b>Isotype:</b>	IgG2a, kappa
<b>Format:</b>	1 ml ( <b>CLSG36792</b> ) or 0.5 ml ( <b>CLSG36792-05</b> ). This antibody is supplied as purified immunoglobulin fraction containing sodium azide as preservative.
<b>Titer/Working Dilution:</b>	This antibody may be diluted to a titer of 1:25-1:50 in an ABC method. However, depending on the staining conditions employed, we suggest that final dilution should be determined by the user.
<b>Staining Protocol:</b>	We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user. <u>Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 1mM EDTA, pH 8 or 10 mM citrate buffer, pH 6.0 prior to immunostaining.</u>
<b>Specificity:</b>	This antibody is specific to a 45 kDa protein, which is identified as MyoD1. This antibody is specific to an epitope of amino acid 3-56 in mouse MyoD1. It does not cross-react with myogenin, Myf5 or Myf6. This antibody stains the nuclei of myoblasts in developing muscle tissue. MyoD1 is not detected in normal adult tissue but is expressed strongly in the tumor cell nuclei of rhabdomyosarcomas. This antibody cross-reacts with human, mouse, rat and chicken.
<b>Positive Control:</b>	Rhabdomyosarcoma
<b>Cellular Localization:</b>	Nuclear
<b>Storage:</b>	Store the antibody at 2-8°C.
<b>References:</b>	<ol style="list-style-type: none"><li>1. Dias et al. Cancer Res 52: 144, 1994.</li><li>2. Rosai et al. Am J Surg. Pathol. 15: 974, 1991.</li><li>3. Tallini et al Am J Pathol 144: 693, 1994.</li><li>4. Thulasi et al. Cell Growth Diff 7(4):531, 1996.</li></ol>

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