**DATA SHEET**

# MyoD1 Ab-2 (Clone 5.2F)

Mouse Monoclonal Antibody

**Cat. #DLN-08720, -08721, or -08719 (0.1ml, 0.5ml, or 1.0ml at 200µg/ml)** (Purified Ab with BSA and Azide)
**Cat. #DLN-08722 or -08723 (0.1ml or 0.2ml at 1.0mg/ml)** (Purified Ab without BSA and Azide)

***Description:*** MyoD1 is not detected in normal adult tissue, but is highly expressed in the tumor cell nuclei of rhabdomyosarcomas. Occassionally nuclear expression of MyoD1 is seen in ectomesenchymoma and a subset of Wilm's tumors. Weak cytoplasmic staining is observed in several non-muscle tissues, including glandular epithelium and also in rhabdomyosarcomas, neuroblastomas, Ewing's sarcomas and alveolar soft part sarcomas.

***Comments:*** Ab-2 does not cross react with myogenin, Myf5, or Myf6. Antibody to MyoD1 labels the nuclei of myoblasts in developing muscle tissues.

***Mol. Wt. of Antigen:*** 45kDa

***Epitope:*** aa 3-56

***Species Reactivity:*** Human, Mouse, Rat, Chicken. Others not known.

***Clone Designation:*** 5.2F

***Ig Isotype / Light Chain :*** $IgG_{2a}$ / κ

***Immunogen:*** Recombinant mouse MyoD1 protein

## *Applications and Suggested Dilutions*

- Elctron Microscopy[3]
- Immunofluorescence
- Immunoprecipitation(Native verified)
  (Use Protein A) (Ab 2µg/mg protein lysate)

The optimal dilution for a specific application should be determined by the investigator.

***Positive Control:*** SW80 cells

***Cellular Localization:*** Nuclear

## *Supplied As:*

200µg/ml antibody purified from the ascites fluid by Protein A chromatography. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide.
Also available without BSA and azide at 1mg/ml.

***Storage and Stability:*** Ab with sodium azide is stable for 24 months when stored at 2-8°C. Antibody WITHOUT sodium azide is stable for 36 months when stored at below 0°C.

**dianova GmbH**
Warburgstr. 45 ● 20354 Hamburg
Telefon (040)45067-0 ● Telefax (040) 45067-490 ● www.dianova.de

***DATA SHEET***

# MyoD1 Ab-2 (Clone 5.2F)

Mouse Monoclonal Antibody

**Cat. #DLN-08720, -08721, or -08719 (0.1ml, 0.5ml, or 1.0ml at 200µg/ml)** (Purified Ab with BSA and Azide)
**Cat. #DLN-08722 or -08723 (0.1ml or 0.2ml at 1.0mg/ml)** (Purified Ab without BSA and Azide)

## *Key References:*


1. Thulasi R; et al. Cell Growth and Differentiation, 1996 Apr, 7(4):531-41.
2. Wesche WA; et al. American Journal of Surgical Pathology, 1995, 19(3):261-9.
3. Parham DM; et al. Acta Neuropathologica, 1994, 87:605-11.
4. Tallini G; et al. American Journal of Pathology, 1994 Apr, 144(4):693-701.
5. Dias P; et al. Cancer Research, 1992 Dec 1, 52(23):6431-9.
6. Rosai J; et al. American Journal of Surgical Pathology, 1991 Oct, 15(10):974-81.


## *Limitations and Warranty:*

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. Dianova is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

## *Material Safety Data:*

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

***For Research Use Only***


**dianova GmbH**
Warburgstr. 45 ● 20354 Hamburg
Telefon (040)45067-0 ● Telefax (040) 45067-490 ● www.dianova.de