

## Product datasheet for **AM05309PU-N**

### Myog Mouse Monoclonal Antibody [Clone ID: F12B]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	F12B
Applications:	ELISA, EMSA, IF, IHC, IP, WB
Recommended Dilution:	ELISA. Gel Supershift. Immunohistochemistry on Formalin-fixed, Paraffin-embedded tissue sections (1-2 µg/ml). Immunofluorescence. Immunoprecipitation (2 µg/ml). Western Blot (1 µg/ml). <b>Positive Control:</b> Rhabdomyosarcoma and Wlim's tumors.
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with recombinant protein containing rat myogenin amino acids 30-224 and mouse myeloma NS1 cells.
Specificity:	Recognizes a protein of 34kDa, identified as myogenin. Its epitope localizes between aa 158-178 of myogenin. This antibody can immunoprecipitate protein-DNA complex and is the antibody of choice for staining of formalin-fixed, paraffin-embedded tissues.
Formulation:	PBS containing 0.08% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.



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**Gene Name:** myogenin

**Database Link:** [Entrez Gene 4656 Human](#)[Entrez Gene 17928 Mouse](#)[Entrez Gene 29148 Rat P20428](#)

**Background:** Myogenin is a member of a family of myogenic regulatory genes, which includes MyoD, myf5 and MRF4. These genes encode a set of transcription factors, which are essential for muscle development. Expression of myogenin is restricted to cells of skeletal muscle origin. It is therefore a useful marker for tumors of the muscle lineage, being strongly expressed in alveolar rhabdomyosarcomas.

**Synonyms:** MYOG, MYF4, Myogenic factor 4, BHLHC3

**Product images:**

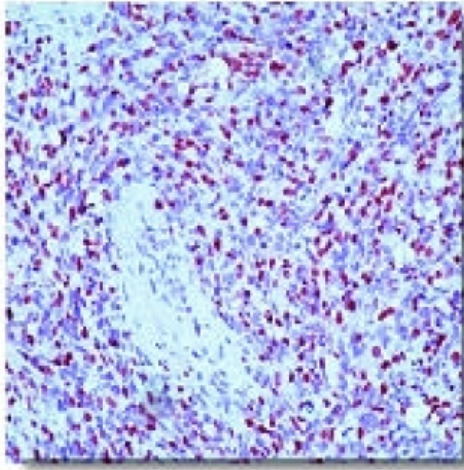


Figure 1. Immunohistochemical staining using myogenin antibody on formalin fixed, paraffin embedded human rhabdomyosarcoma.