

Product datasheet for **AM00317SU-N**

Myog Mouse Monoclonal Antibody [Clone ID: F5D]

Product data:

Product Type:	Primary Antibodies
Clone Name:	F5D
Applications:	IF, IHC, WB
Recommended Dilution:	Western Blot. Immunofluorescence. Immunohistochemistry on Formalin-Fixed, Paraffin-Embedded Sections: 1/50 Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. Use Polymer anti Mouse/Rabbit IgG as a detection system. <i>Positive Control:</i> Rhabdomyosarcoma or Wilm's tumors.
Reactivity:	Feline, Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant protein containing Rat Myogenin amino acids 30-224
Specificity:	Reacts with a 34 kD protein known as Myogenin. The antibody can immunoprecipitate protein-DNA complex. Cellular Localization: Nuclear.
Formulation:	State: Supernatant State: Liquid Tissue Culture Supernatant with 0.2% BSA and 15mM Sodium Azide.
Purification:	Protein G Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	myogenin
Database Link:	Entrez Gene 4656 Human Entrez Gene 17928 Mouse Entrez Gene 29148 Rat P20428



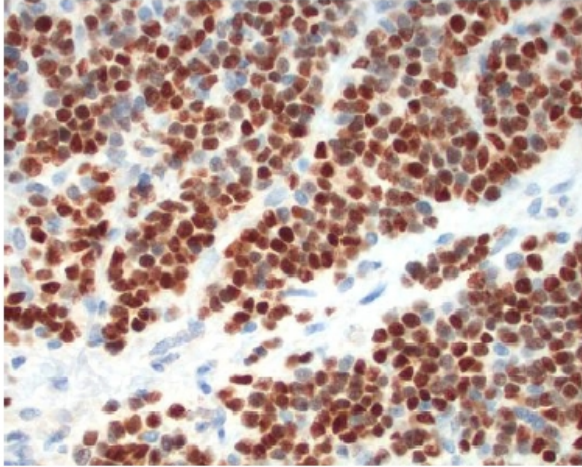
[View online »](#)

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. Transfection of myogenin into multipotential mesodermal cells have been shown to convert the mesodermal cells to myoblasts. 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:

Formalin-Fixed, Paraffin-Embedded Human rhabdomyosarcoma stained with Myogenin antibody Cat.-No. AM00317SU-N using peroxidase conjugate and DAB chromogen. Note nuclear staining of tumor cells.