

## Anti-MYF5 Antibody (Monoclonal, 34M28)

Catalog Number: M04040-2

### About Myf5

Myogenic factor 5 is a protein that in humans is encoded by the MYF5 gene. It is a protein with a key role in regulating muscle differentiation or myogenesis, specifically the development of skeletal muscle. Myf5 belongs to a family of proteins known as myogenic regulatory factors (MRFs). This transcription factor is the earliest of all MRFs to be expressed in the embryo, where it is only markedly expressed for a few days (specifically around 8 days post-somite formation and lasting until day 14 post-somite in mice). It functions during that time to commit myogenic precursor cells to become skeletal muscle. In fact, its expression in proliferating myoblasts has led to its classification as a determination factor. Furthermore, Myf5 is a master regulator of muscle development, possessing the ability to induce a muscle phenotype upon its forced expression in fibroblastic cells.

### Overview

Product Name	Anti-MYF5 Antibody (Monoclonal, 34M28)
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-MYF5 Antibody (Monoclonal, 34M28) catalog # M04040-2. Tested in WB applications. This antibody reacts with Mouse, Rat.
Application	WB
Clonality	Monoclonal 34M28
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P24699

### Technical Details

Immunogen	Recombinant protein within Human Myf5 aa 183-253.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.

Suggested Dilutions

Western blot, 1:500-2000

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