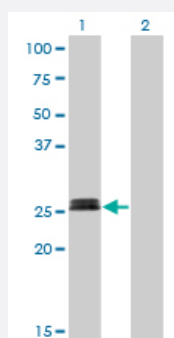


MYOG monoclonal antibody (M01), clone 2B7

Catalog # H00004656-M01

Size 100 ug

Applications

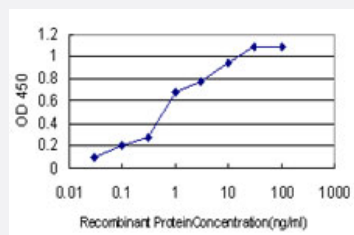


Western Blot (Transfected lysate)

Western Blot analysis of MYOG expression in transfected 293T cell line by MYOG monoclonal antibody (M01), clone 2B7.

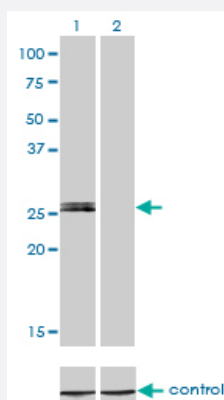
Lane 1: MYOG transfected lysate(25 KDa).

Lane 2: Non-transfected lysate.



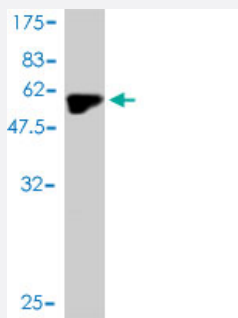
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MYOG is approximately 0.03ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of MYOG over-expressed 293 cell line, cotransfected with MYOG Validated Chimera RNAi (Cat # H00004656-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with MYOG monoclonal antibody (M01), clone 2B7 (Cat # H00004656-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (50.38 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant MYOG.
Immunogen	MYOG (AAH53899, 1 a.a. ~ 224 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MELYETSPYFYQEPRFYDGENYLPVHLQGFEPPTYERTELTSPEAPGPLEDKGLGTPEHCPGQCLPWACKVCKRKSVSVDRRRAATLREKRRLKKVNEAFEALKRSTLLNPNQRLPKVEILRSIQYIERLQALLSSLNQEERDLRYRGGGGPQPGVPSECSSHSASCSPWGSALFESANPGDHLLTADPTDAHNLHSLTSIVDSITVEDVSVAFPDETMPN
Host	Mouse
Reactivity	Human
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (50.38 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of MYOG expression in transfected 293T cell line by MYOG monoclonal antibody (M01), clone 2B7.

Lane 1: MYOG transfected lysate(25 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MYOG is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of MYOG over-expressed 293 cell line, cotransfected with MYOG Validated Chimera RNAi (Cat # H00004656-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with MYOG monoclonal antibody (M01), clone 2B7 (Cat # H00004656-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — MYOG

Entrez GeneID [4656](#)

GeneBank Accession# [BC053899](#)

Protein Accession# [AAH53899](#)

Gene Name MYOG

Gene Alias MYF4, MYOGENIN, bHLHc3

Gene Description myogenin (myogenic factor 4)

Omim ID [159980](#)

Gene Ontology [Hyperlink](#)

Gene Summary Myogenin is a muscle-specific transcription factor that can induce myogenesis in a variety of cell types in tissue culture. It is a member of a large family of proteins related by sequence homology, the helix-loop-helix (HLH) proteins. It is essential for the development of functional skeletal muscle. [provided by RefSeq]

Other Designations Myogenic factor-4; myogenin|OTTHUMP00000039094|myogenic factor 4|myogenin