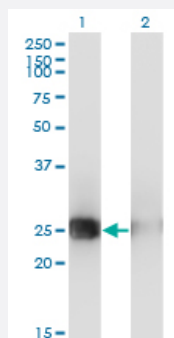


# MSC monoclonal antibody (M05), clone 4D7

Catalog # H00009242-M05

Size 100 ug

## Applications

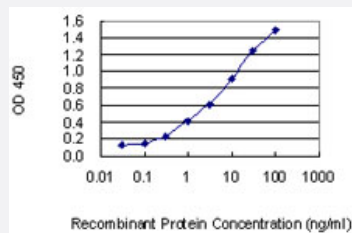


### Western Blot (Transfected lysate)

Western Blot analysis of MSC expression in transfected 293T cell line by MSC monoclonal antibody (M05), clone 4D7.

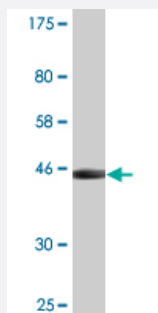
Lane 1: MSC transfected lysate (22.1 KDa).

Lane 2: Non-transfected lysate.



### Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (36.74 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant MSC.

<b>Immunogen</b>	MSC (NP_005089.1, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	MSTGVSVDPEEMELRGLQREYPVPASKRPPLRGVERSYASPSDNSSAEEEDPDGEEERCALGT AGSAEGCKRKRPVAGGGGAGGSAGGGGKKPLPAKGS
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (84); Rat (86)
<b>Isotype</b>	IgG2b Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of MSC expression in transfected 293T cell line by MSC monoclonal antibody (M05), clone 4D7.

Lane 1: MSC transfected lysate(22.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

## Gene Info — MSC

Entrez GeneID	<a href="#">9242</a>
GeneBank Accession#	<a href="#">NM_005098</a>
Protein Accession#	<a href="#">NP_005089.1</a>
Gene Name	MSC
Gene Alias	ABF-1, ABF1, MYOR, bHLHa22
Gene Description	musculin (activated B-cell factor-1)
Omim ID	<a href="#">603628</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	The protein encoded by this gene is a transcriptional repressor capable of binding an E-box element either as a homodimer or as a heterodimer with E2A in vitro. The encoded protein also forms heterodimers with E2A proteins in vivo. This protein is capable of inhibiting the transactivation capability of E47, an E2A protein, in mammalian cells. This gene is a downstream target of the B-cell receptor signal transduction pathway. [provided by RefSeq]
Other Designations	activated B-cell factor 1, homolog of mouse musculin activated B-cell factor-1 musculin

## Disease

- [Cleft Lip](#)
- [Cleft Palate](#)