



**MONOCLONAL ANTIBODY**

For research use only. Not for clinical diagnosis

**Catalog No. CEC-032**

**Anti- MyoD antibody**

**BACKGROUND**

MyoD is a transcriptional factor that induces transcription by binding with gene regulatory factors expressed in skeletal muscle. As a master gene, MyoD also determines skeletal muscle differentiation.

<b>Product type</b>	Primary antibody
<b>Immunogen</b>	Recombinant GST-fused mouse MyoD protein (full length).
<b>Host</b>	Rat
<b>Clone number</b>	5F11
<b>Isotype</b>	IgG2a, $\kappa$
<b>Source</b>	Culture supernatant
<b>Purification</b>	Ion-exchange chromatography
<b>Form</b>	Liquid
<b>Presentation</b>	Purified monoclonal antibody in PBS, 50% Glycerol, 0.05%w/v ProClin300
<b>Concentration</b>	1 mg/mL
<b>Volume</b>	100 $\mu$ L
<b>Label</b>	Unlabeled
<b>Specificity</b>	MyoD
<b>Cross reactivity</b>	Mouse    Other species have not been tested.
<b>Storage</b>	Store below $-20^{\circ}\text{C}$ (below $-70^{\circ}\text{C}$ for prolonged storage) Aliquot to avoid cycles of freeze/thaw.
<b>Other</b>	-

**Application notes**

**Recommended use**

WB, ICC, IHC, ChIP    Not tested for other applications.

**Recommended dilutions**

Western blotting, 1/1,000 to 1/5,000

Immunocytochemistry, 1/100 to 1/500

Immunohistochemistry, 1/100 to 1/500

Optimal dilutions/concentrations should be determined by the end user.

**References**

1) Harada et al., (2010) Hybridoma, 29, 255-258.

This antibody is used in ref.1.

ANTIBODY CHARACTERIZATION

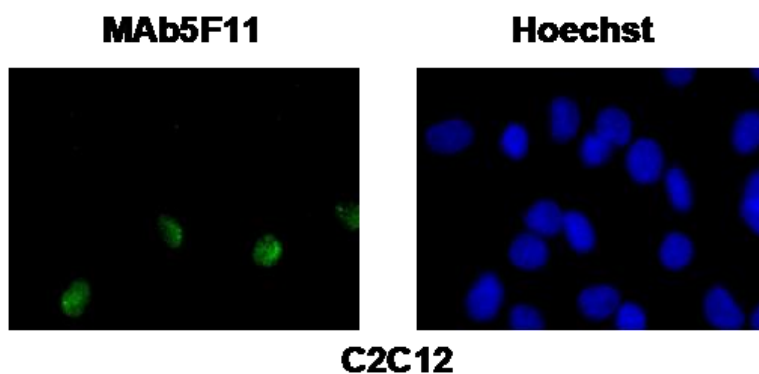


Fig.1 Immunocytochemistry/ Immunofluorescence – MyoD antibody (5F11), C2C12(mouse) cells

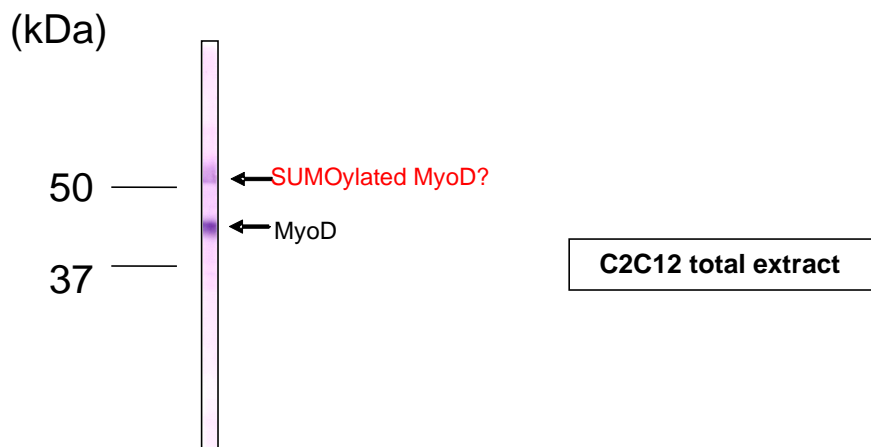


Fig.2 Western blot - MyoD antibody (5F11) , C2C12(mouse) cell total extracts.

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