

## Product datasheet

### anti-Myogenin mouse monoclonal, IHC631, purified

#### Short overview

<b>Cat. No.</b>	691732
<b>Quantity</b>	1 ml

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG1 kappa
<b>Clone</b>	IHC631
<b>Immunogen</b>	Recombinant Human Myogenin
<b>Formulation</b>	Tris pH 7.3-7.7 with 1% BSA and 0.09% sodium azide
<b>UniprotID</b>	P15173 (Human)
<b>Synonym</b>	Myogenin, Class C basic helix-loop-helix protein 3, bHLHc3, Myogenic factor 4, Myf-4, MYOG, BHLHC3, MYF4
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<b>Storage</b>	2-8°C
<b>Intended use</b>	Research use only
<b>Application</b>	IHC
<b>Reactivity</b>	Human

#### Applications

<b>Immunohistochemistry (IHC) - paraffin</b>	1:50-1:200 (microwave treatment recommended)
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#### Background

Myogenin belongs to a family of myogenic transcription factors, including MyoD, Myf5, and MRF4, which are critical in muscle development. Myogenin is found strictly in cells of skeletal muscle origin, and is therefore used as a biomarker for tumours of the muscle lineage, including alveolar rhabdomyosarcomas. Anti-Myogenin staining may occur in Wilms' tumour, and it labels the nuclei of myoblasts in developing muscle tissue. It is also expressed in some leiomyosarcomas.

#### Product images



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