



# Anti-BHLHA15 monoclonal antibody, clone 2I2/F6/F6 (DCABH-336)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to BHLHA15
<b>Antigen Description</b>	Plays a role in controlling the transcriptional activity of MYOD1, ensuring that expanding myoblast populations remain undifferentiated. Repression may occur through muscle-specific E-box occupancy by homodimers. May also negatively regulate bHLH-mediated transcription through an N-terminal repressor domain. Serves as a key regulator of acinar cell function, stability, and identity. Also required for normal organelle localization in exocrine cells and for mitochondrial calcium ion transport. May function as a unique regulator of gene expression in several different embryonic and postnatal cell lineages. Binds to the E-box consensus sequence 5-CANNTG-3.
<b>Specificity</b>	This antibody may also recognise LMTK2 lemur tyrosine kinase 2 gene ID 22853
<b>Immunogen</b>	Synthetic peptide: MKTKNRPPRRRTPMQDTEAT, corresponding to N terminal amino acids 1-20 of Mouse BHLHA15 (Q9QYC3)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	2I2/F6/F6
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Size</b>	100 µg

<b>Buffer</b>	Preservative: 0.05% Sodium azide; Constituents: 99% PBS, 0.1% BSA
<b>Preservative</b>	0.05% Sodium Azide
<b>Storage</b>	store at -20°C. Avoid freeze / thaw cycles.
<b>Ship</b>	Shipped at 4°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Bhlha15 basic helix-loop-helix family, member a15 [ Mus musculus ]</a>
<b>Official Symbol</b>	BHLHA15
<b>Synonyms</b>	BHLHA15; basic helix-loop-helix family, member a15; class A basic helix-loop-helix protein 15; MIST-1; class B basic helix-loop-helix protein 8; muscle, intestine and stomach expression 1; basic helix-loop-helix domain containing, class B, 8; Mist1; Bhlhb
<b>Entrez Gene ID</b>	<a href="#">17341</a>
<b>Protein Refseq</b>	<a href="#">NP_034930</a>
<b>UniProt ID</b>	<a href="#">Q9QYC3</a>
<b>Pathway</b>	Maturity onset diabetes of the young, organism-specific biosystem; Maturity onset diabetes of the young, conserved biosystem;
<b>Function</b>	DNA binding; DNA binding; protein homodimerization activity;