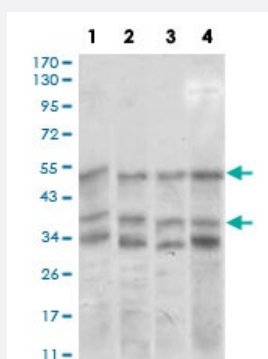


NEUROD1 monoclonal antibody, clone 6E9G12

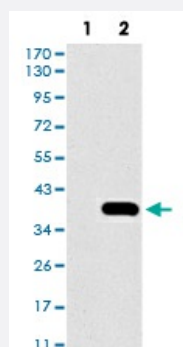
Catalog # MAB17799 Size 100 uL

Applications



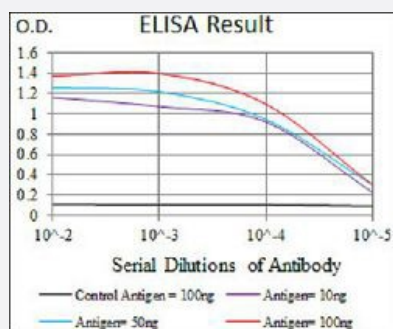
Western Blot (Cell lysate)

Western blot analysis of (1) NIH/3T3 cell, (2) SK-N-SH cell, (3) COS7 cell, (4) MCF-7 cell with NEUROD1 monoclonal antibody.



Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) NEUROD1-hlgGfc transfected HEK293 cell lysate with NEUROD1 monoclonal antibody.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of NEUROD1 monoclonal antibody, clone 6E9G12.

Specification

Product Description

Mouse monoclonal antibody raised against recombinant human NEUROD1.

Immunogen	Recombinant protein corresponding to amino acids 26-91 of human NEUROD1 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	40
Reactivity	Human, Monkey, Mouse
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry Immunocytochemistry Immunohistochemistry Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of (1) NIH/3T3 cell, (2) SK-N-SH cell, (3) COS7 cell, (4) MCF-7 cell with NEUROD1 monoclonal antibody.

- Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) NEUROD1-hlgGfc transfected HEK293 cell lysate with NEUROD1 monoclonal antibody.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of NEUROD1 monoclonal antibody, clone 6E9G12.

Gene Info — NEUROD1

Entrez GeneID

[4760](#)

Gene Name

NEUROD1

Gene Alias	BETA2, BHF-1, NEUROD, bHLHa3
Gene Description	neurogenic differentiation 1
Omim ID	125853 601724
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the NeuroD family of basic helix-loop-helix (bHLH) transcription factors. The protein forms heterodimers with other bHLH proteins and activates transcription of genes that contain a specific DNA sequence known as the E-box. It regulates expression of the insulin gene, and mutations in this gene result in type II diabetes mellitus. [provided by RefSeq]
Other Designations	basic helix-loop-helix transcription factor beta-cell E-box transactivator 2 neurogenic differentiation factor 1 neurogenic helix-loop-helix protein NEUROD

Pathway

- [Maturity onset diabetes of the young](#)

Disease

- [Albuminuria](#)
- [Cardiovascular Diseases](#)
- [Diabetes](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Infant](#)
- [Mental Disorders](#)
- [Obesity](#)