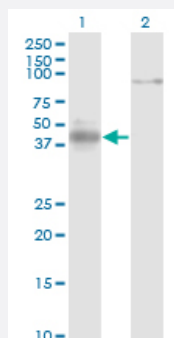


NEUROD1 monoclonal antibody (M02), clone 3D11

Catalog # H00004760-M02

Size 100 ug

Applications

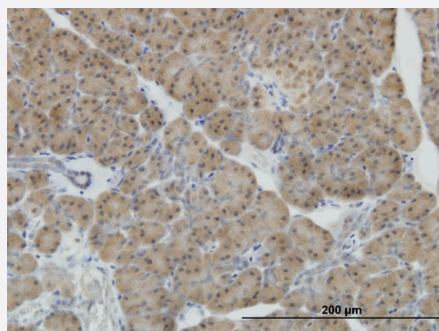


Western Blot (Transfected lysate)

Western Blot analysis of NEUROD1 expression in transfected 293T cell line by NEUROD1 monoclonal antibody (M02), clone 3D11.

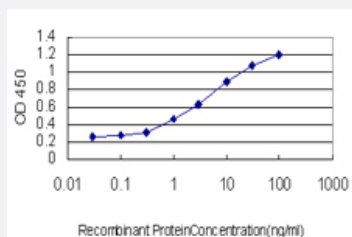
Lane 1: NEUROD1 transfected lysate(39.9 KDa).

Lane 2: Non-transfected lysate.



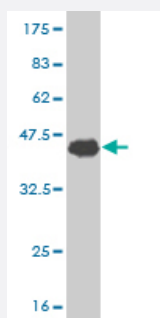
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to NEUROD1 on formalin-fixed paraffin-embedded human pancreas. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NEUROD1 is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant NEUROD1.
Immunogen	NEUROD1 (AAH09046, 201 a.a. ~ 300 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	QDMPPHLPTASASFPVHPYSYQSPGLPSPPYGTMDSSHVFHVKPPPHAYSAALEPFFESPLTDC TSPSFDGPLSPPLSINGNFSFKHEPSAEFEKNYAFT
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (100); Rat (99)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

• Western Blot (Transfected lysate)

Western Blot analysis of NEUROD1 expression in transfected 293T cell line by NEUROD1 monoclonal antibody (M02), clone 3D11.

Lane 1: NEUROD1 transfected lysate(39.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to NEUROD1 on formalin-fixed paraffin-embedded human pancreas. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NEUROD1 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — NEUROD1

Entrez GeneID [4760](#)

GeneBank Accession# [BC009046](#)

Protein Accession# [AAH09046](#)

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](#)