

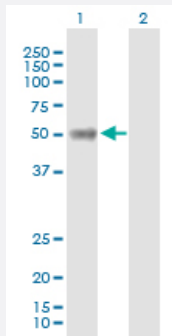
CX Grade

NEUROD1 monoclonal antibody (M01J), clone 3H8

Catalog # H00004760-M01J

Size 100 ug

Applications

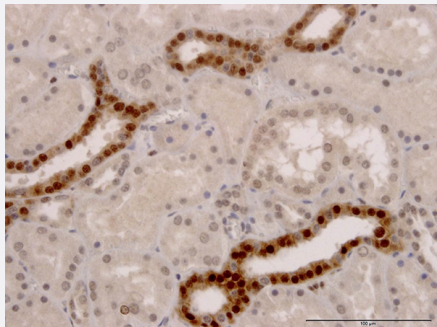


Western Blot (Transfected lysate)

Western Blot analysis of NEUROD1 expression in transfected 293T cell line by NEUROD1 monoclonal antibody (M01J), clone 3H8.

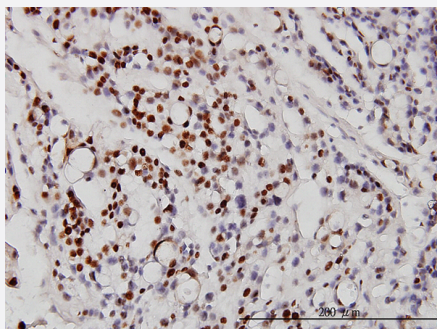
Lane 1: NEUROD1 transfected lysate (Predicted MW: 39.9 kDa).

Lane 2: Non-transfected lysate.



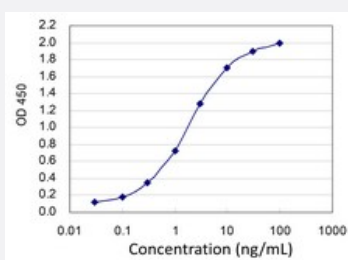
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



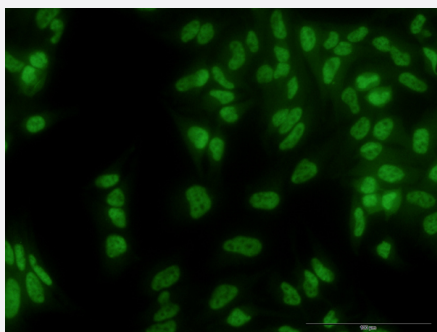
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to NEUROD1 on formalin-fixed paraffin-embedded human ovary, clear cell carcinoma. [antibody concentration 3 ug/ml]



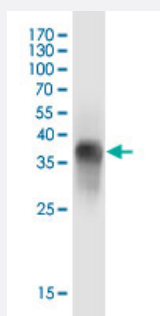
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NEUROD1 is 0.03 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to NEUROD1 on HeLa cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant NEUROD1. This product is belong to Cell Culture Grade Antibody (CX Grade).
Immunogen	NEUROD1 (AAH09046.1, 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)
Preparation Method	Cell Culture Production
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)

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to NEUROD1 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — NEUROD1

Entrez GeneID

[4760](#)

GeneBank Accession#

[BC009046.1](#)

Protein Accession#	AAH09046.1
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](#)