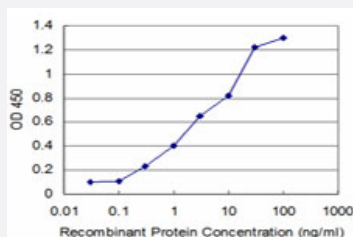


NEUROG3 monoclonal antibody (M04), clone 4F9

Catalog # H00050674-M04

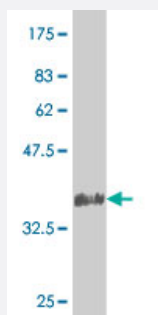
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NEUROG3 is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.11 kDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant NEUROG3.

Immunogen

NEUROG3 (NP_066279, 1 a.a. ~ 101 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 kDa.

Sequence

MTPQPSGAPTVQVTRETERSFPRASEDEVTCPTSAPPSPTRTRGNCAEAEEGGCRGAPRKLRA
RRGGRSRPKSELALSKQRRSRRKKANDRERNRMHNLN*

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (76); Rat (77)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.11 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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NEUROG3 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — NEUROG3

Entrez GeneID	50674
GeneBank Accession#	NM_020999
Protein Accession#	NP_066279
Gene Name	NEUROG3
Gene Alias	Atoh5, Math4B, bHLHa7, ngn3
Gene Description	neurogenin 3
Omim ID	604882
Gene Ontology	Hyperlink

Gene Summary

Neurogenin-3 (NEUROG3) is expressed in endocrine progenitor cells and is required for endocrine cell development in the pancreas and intestine (Wang et al., 2006 [PubMed 16855267]). It belongs to a family of basic helix-loop-helix transcription factors involved in the determination of neural precursor cells in the neuroectoderm (Gradwohl et al., 2000 [PubMed 10677506]).[supplied by OMIM]

Other Designations

OTTHUMP00000019730

Pathway

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

Disease

- [Anovulation](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Diabetic Ketoacidosis](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Hyperglycemia](#)
- [Hyperinsulinism](#)