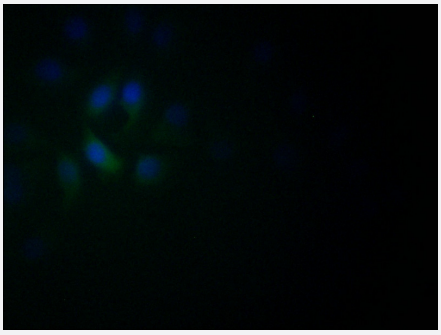
RecomAb™ Sm Size

NEUROD1 recombinant monoclonal antibody, clone 5D2

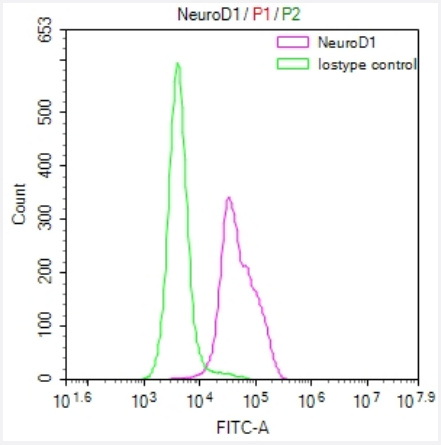
Catalog # RAB08653 Size 50 uL

Applications



Immunofluorescence

Immunofluorescence staining of A549 Cells with NEUROD1 recombinant monoclonal antibody, clone 5D2 at 1:60, counter-stained with DAPI.



Flow Cytometry

Overlay Peak curve showing SH-SY5Y cells stained with NEUROD1 recombinant monoclonal antibody, clone 5D2 (red line) at 1:50.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human NEUROD1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human NEUROD1.
Reactivity	Human
Form	Liquid

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Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) Immunofluorescence(1:20-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence

  Immunofluorescence staining of A549 Cells with NEUROD1 recombinant monoclonal antibody, clone 5D2 at 1:60, counter-stained with DAPI.

- Flow Cytometry

  Overlay Peak curve showing SH-SY5Y cells stained with NEUROD1 recombinant monoclonal antibody, clone 5D2 (red line) at 1:50.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — NEUROD1

Entrez GeneID	4760
Protein Accession#	Q13562
Gene Name	NEUROD1
Gene Alias	BETA2, BHF-1, NEUROD, bHLHa3
Gene Description	neurogenic differentiation 1
Omim ID	125853 601724

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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

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