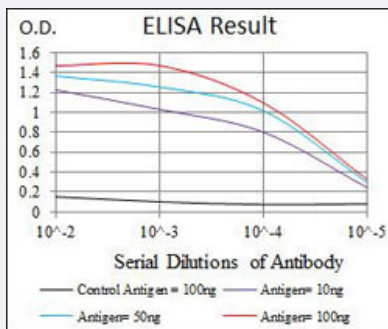


PDX1 monoclonal antibody, clone 5A5

Catalog # MAB17872 Size 100 ug

Applications



Enzyme-linked Immunoabsorbent Assay

ELISA analysis with PDX1 monoclonal antibody, clone 5A5 (Cat # MAB17872).

Specification

Product Description Mouse monoclonal antibody raised against partial recombinant human PDX1.

Immunogen Recombinant protein corresponding to amino acids 39-283 of human PDX1.

Host Mouse

Theoretical MW (kDa) 30.8

Reactivity Human

Form Liquid

Isotype IgG1

Recommend Usage
 ELISA (1:10000)
 Flow Cytometry (1:200-1:400)
 Western Blot (1:100-1:500)
 The optimal working dilution should be determined by the end user.

Storage Buffer In PBS (0.05% 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
- Enzyme-linked Immunoabsorbent Assay
ELISA analysis with PDX1 monoclonal antibody, clone 5A5 (Cat # MAB17872).
- Flow Cytometry

Gene Info — PDX1

Entrez GeneID [3651](#)

Protein Accession# [P52945](#)

Gene Name PDX1

Gene Alias GSF, IDX-1, IPF1, IUF1, MODY4, PDX-1, STF-1

Gene Description pancreatic and duodenal homeobox 1

Omim ID [125853](#) [260370](#) [600733](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a transcriptional activator of several genes, including insulin, somatostatin, glucokinase, islet amyloid polypeptide, and glucose transporter type 2. The encoded nuclear protein is involved in the early development of the pancreas and plays a major role in glucose-dependent regulation of insulin gene expression. Defects in this gene are a cause of pancreatic agenesis, which can lead to early-onset insulin-dependent diabetes mellitus (NIDDM), as well as maturity onset diabetes of the young type 4 (MODY4). [provided by RefSeq]

Other Designations OTTHUMP00000018174|glucose-sensitive factor|insulin promoter factor 1, homeodomain transcription factor|insulin upstream factor 1|pancreatic-duodenal homeobox factor 1|somatostatin transcription factor 1

Pathway

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

- [Type II diabetes mellitus](#)

Disease

- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Cerebral Infarction](#)
- [Diabetes](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Intracranial Arteriosclerosis](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Obesity](#)
- [Renal Insufficiency](#)
- [Werner syndrome](#)