BT LAB
Bioassay Technology Laboratory
*Optimize Your Research*

# PDX1 Monoclonal Antibody

## Description

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|---|---|
| **Product type** | Antibody |
| **Code** | BT-MCA2835 |
| **Host** | Mouse |
| **Isotype** | Mouse IgG1 |
| **Size** | 100μL, 50μL |
| **Immunogen** | Purified recombinant fragment of human PDX1 expressed in E. Coli. |
| **Mol wt** | 30.8kDa |
| **Species reactivity** | Human |
| **Clonality** | Monoclonal |
| **Recommended application** | FCM |
| **Concentration** | N/A |
| **Full name** | N/A |
| **Synonyms** | GSF;IPF1;IUF1;IDX-1;MODY4;PDX-1;STF-1 |

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

## Background

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).

## Recommended Dilution

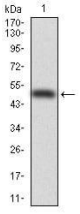
WB: 1:500 - 1:2000

FCM: 1:200 - 1:400

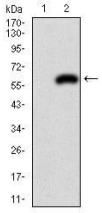
ELISA: 1:10000

Not yet tested in other applications.

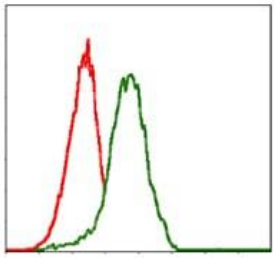
## Images



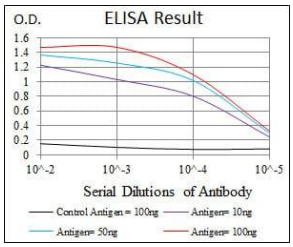

Western blot analysis using PDX1 mAb against human PDX1 (AA: 39-283) recombinant protein. (Expected MW is 52 kDa)




Western blot analysis using PDX1 mAb against HEK293 (1) and PDX1 (AA: 39-283)-hIgGFc transfected HEK293 (2) cell lysate.



Flow cytometric analysis of Jurkat cells using PDX1 mouse mAb (green) and negative control (red).




Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

## Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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