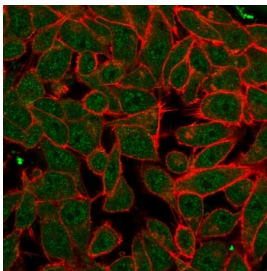


Pancreas/duodenum homeobox protein 1 Antibody / PDX1 [clone PCR-PDX1-2C11] (V9260)

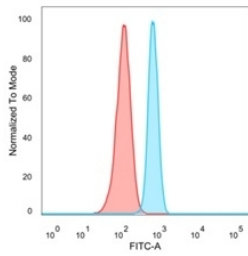
Catalog No.	Formulation	Size
V9260-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9260-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9260SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

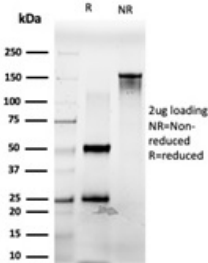
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2c
Clone Name	PCR-PDX1-2C11
Purity	Protein A/G affinity
UniProt	P52945
Localization	Nucleus
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml
Limitations	This Pancreas/duodenum homeobox protein 1 antibody is available for research use only.



Immunofluorescent staining of PFA-fixed human HeLa cells using Pancreas/duodenum homeobox protein 1 antibody (green, clone PCR-PDX1-2C11) and phalloidin (red).

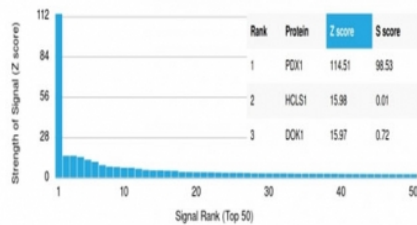


FACS staining of PFA-fixed human HeLa cells with Pancreas/duodenum homeobox protein 1 antibody (blue, clone PCR-PDX1-2C11), and unstained cells (red).



SDS-PAGE analysis of purified, BSA-free Pancreas/duodenum homeobox protein 1 antibody (clone PCR-PDX1-2C11) as confirmation of integrity and purity.

Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Pancreas/duodenum homeobox protein 1 antibody (clone PCR-PDX1-2C11). These results demonstrate the foremost specificity of the PCR-PDX1-2C11 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

Description

Pancreatic duodenal homeobox-1 protein (PDX-1), also designated Insulin promoter factor (IPF1), Insulin upstream factor 1 (IUF1), somatostatin transactivating factor-1 (STF-1) and glucose-sensitive factor (GSF), is a 282 amino acid homeodomain-containing transcription factor present in pancreatic cells. PDX-1 binds to the sequence C(C/T) and can heterodimerize with PBX. PDX-1 is phosphorylated by the SAPK2 pathway under high glucose concentrations. Mutations in the PDX-1 gene can cause maturity-onset diabetes of the young and pancreatic agenesis. The gene which encodes PDX-1 maps to human chromosome 13q12.2.

Application Notes

Optimal dilution of the Pancreas/duodenum homeobox protein 1 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human PDX1 protein was used as the immunogen for the Pancreas/duodenum homeobox protein 1 antibody.

Storage

Aliquot the Pancreas/duodenum homeobox protein 1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

