



## Mouse Monoclonal Antibody to PDX1

<b>Catalogue Number</b>	sAP-0692
<b>Target Molecule</b>	<b>Name: PDX1</b> <b>Aliases:</b> GSF; IPF1; IUF1; IDX-1; MODY4; PDX-1; STF-1 <b>MW: 30.8kDa</b> <b>Entrez Gene ID: 3651</b>
<b>Description</b>	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).
<b>Immunogen</b>	Purified recombinant fragment of human PDX1 expressed in E. Coli. ;
<b>Recitative Species</b>	Human
<b>Clone</b>	MM5A5;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	J Biol Chem. 2009 Dec 25;284(52):36482-90. ; Pancreatology. 2009;9(1-2):116-26. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**