

Human Pancreas Transcription Factor 1 Subunit alpha (PTF1A) ELISA Kit | PTF1A elisa kit

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CATALOG #
AAA331254

REACTIVITY
Human

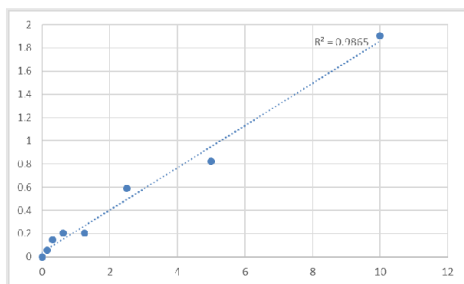
PRODUCT SYNONYMS

Pancreas Transcription Factor 1 Subunit alpha (PTF1A); Human Pancreas Transcription Factor 1 Subunit alpha (PTF1A) ELISA Kit; PTF1A; PTF1-p48; bHLHa29; bHLH transcription factor p48; class bHLH protein PTF1A; exocrine pancreas-specific transcription factor p48; p48 DNA-binding subunit of transcription factor PTF1; pancreas transcr; PTF1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Pancreas transcription factor 1 subunit alpha (PTF1A) ELISA Kit has high sensitivity and excellent specificity for detection of Human PTF1A. No significant cross-reactivity or interference between Human PTF1A and analogues was observed.
Sequence Length	328
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Pancreas transcription factor 1 subunit alpha (PTF1A) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PTF1A elisa kit	Description: This Human Pancreas transcription factor 1 subunit alpha (PTF1A) ELISA Kit employs a two-site sandwich ELISA to quantitate PTF1A in samples. An antibody specific for PTF1A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTF1A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTF1A is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PTF1A bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Pancreas transcription factor 1 subunit alpha is a component of the pancreas transcription factor 1 complex (PTF1) and is known to have a role in mammalian pancreatic development. The protein plays a role in determining whether cells allocated to the pancreatic buds continue towards pancreatic organogenesis or revert back to duodenal fates. The protein is thought to be involved in the maintenance of exocrine pancreas-specific gene expression including elastase 1 and amylase. Mutations in this gene cause cerebellar agenesis and loss of expression is seen in ductal type pancreas cancers.Pancreas-specific (at protein level). Loss of expression is seen in ductal type pancreas cancers.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	30039710
NCBI GeneID	256297
NCBI Accession #	NP_835455.1
NCBI GenBank Nucleotide #	NP_835455.1
UniProt Accession #	Q7RTS3
NCBI Official Full Name	pancreas transcription factor 1 subunit alpha
NCBI Official Synonym Full Names	pancreas associated transcription factor 1a
NCBI Official Symbol	PTF1A
NCBI Official Synonym Symbols	p48; PACA; PAGEN2; bHLHa29; PTF1-p48
NCBI Protein Information	pancreas transcription factor 1 subunit alpha
UniProt Protein Name	Pancreas transcription factor 1 subunit alpha
UniProt Gene Name	PTF1A
UniProt Synonym Gene Names	BHLHA29; PTF1P48; bHLHa29; PTF1-p48
UniProt Entry Name	PTF1A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/pancreas-transcription-factor-1-subunit-alpha-ptf1a/331254>