

Bovine Pancreas Specific Transcription Factor 1a ELISA Kit | PTF1alpha elisa kit

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CATALOG #
AAA96506

REACTIVITY
Bovine

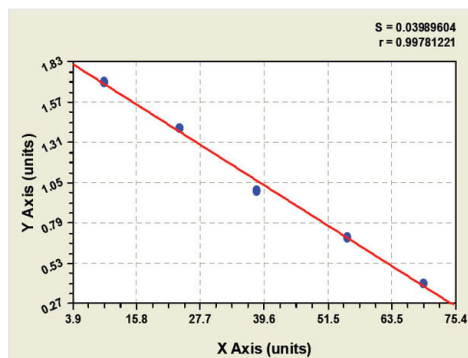
PRODUCT SYNONYMS

Pancreas Specific Transcription Factor 1a; Bovine Pancreas Specific Transcription Factor 1a ELISA Kit; PTF1alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This PTF1alpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine PTF1alpha. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTF1alpha elisa kit

Principle of the Assay: PTF1alpha ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PTF1alpha antibody and an PTF1alpha-HRP conjugate. The assay sample and buffer are incubated together with PTF1alpha-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PTF1alpha concentration since PTF1alpha from samples and PTF1alpha-HRP conjugate compete for the anti-PTF1alpha antibody binding site. Since the number of sites is limited, as more sites are occupied by PTF1alpha from the sample, fewer sites are left to bind PTF1alpha-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PTF1alpha concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	30039710
NCBI GeneID	256297
NCBI Accession #	NP_835455.1
NCBI GenBank Nucleotide #	NM_178161.2
Molecular Weight	34,970 Da
NCBI Official Full Name	pancreas transcription factor 1 subunit alpha
NCBI Official Synonym Full Names	pancreas specific transcription factor, 1a
NCBI Official Symbol	PTF1A
NCBI Official Synonym Symbols	PACA; PAGEN2; bHLHa29; PTF1-p48
NCBI Protein Information	pancreas transcription factor 1 subunit alpha; class II bHLH protein PTF1A; bHLH transcription factor p48; class A basic helix-loop-helix protein 29; pancreas-specific transcription factor 1a; exocrine pancreas-specific transcription factor p48; p48 DNA-binding subunit of transcription factor PTF1
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/ptf1alpha-bovine-ovine-elisa-kits/pancreas-specific-transcription-factor-1a/96506>