

Human PITX1 (Pituitary homeobox 1) ELISA Kit | PITX1 elisa kit

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CATALOG #
AAA250589

REACTIVITY
Human

PRODUCT SYNONYMS

PITX1 (Pituitary homeobox 1); Human PITX1 (Pituitary homeobox 1) ELISA Kit; Syntaphilin; SNPH; PITX1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PITX1. No significant cross-reactivity or interference between PITX1 and analogues was observed.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

ADDITIONAL INFORMATION

Related Product Information for PITX1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP -Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	152963644
NCBI GeneID	5307
NCBI Accession #	NP_002644.4
NCBI GenBank Nucleotide #	NM_002653.4
UniProt Accession #	P78337 ; O14677 ; O60425 ; Q9BTI5 ; A8K3M0 ; D3DQB0
Molecular Weight	34,128 Da
NCBI Official Full Name	pituitary homeobox 1
NCBI Official Synonym Full Names	paired-like homeodomain 1

NCBI Official Symbol	PITX1
NCBI Official Synonym Symbols	BFT; CCF; POTX; PTX1; LBNBG
NCBI Protein Information	pituitary homeobox 1; pituitary homeo box 1; homeobox protein PITX1; pituitary otx-related factor; hindlimb expressed homeobox protein backfoot; hindlimb-expressed homeobox protein backfoot; paired-like homeodomain transcription factor 1
UniProt Protein Name	Pituitary homeobox 1
UniProt Gene Name	PITX1
UniProt Synonym Gene Names	BFT; PTX1
UniProt Entry Name	PITX1_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://www.aaabiotech.com/human-elisa-kits/pitx1-pituitary-homeobox-1/250589>