

Human Pituitary homeobox 1 ELISA Kit | PITX1 elisa kit

Human Pituitary homeobox 1 (PITX1) ELISA Kit

CATALOG #
AAA55435

REACTIVITY
Human

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human PITX1. No significant cross-reactivity or interference between Human PITX1 and analogues was observed.
Sequence Length	314
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	15.6 pg/mL - 1000 pg/mL
Sensitivity	7.8 pg/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for PITX1 elisa kit

Intended Uses: For the quantitative detection of Human Pituitary homeobox 1 (PITX1) concentration in serum, plasma and other biological fluids.

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate PITX1 in Human serum, plasma. An antibody specific for PITX1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PITX1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PITX1 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 PITX1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

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
UniProt Protein Name	Pituitary homeobox 1
UniProt Gene Name	PITX1
UniProt Synonym Gene Names	BFT; PTX1

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/pitx1-human-elisa-kits/pituitary-homeobox-1/55435>