

Human PNX-14 (Phoenixin-14) ELISA Kit | PNX-14 elisa kit

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CATALOG #
AAA250214

REACTIVITY
Human

PRODUCT SYNONYMS

PNX-14 (Phoenixin-14); Human PNX-14 (Phoenixin-14) ELISA Kit; PNX-14; Phoenixin-14; Small integral membrane protein 20; Mitochondrial translation regulation assembly intermediate of cytochrome c oxidase protein of 7 kDa; MITRAC7; C4orf52; SMIM20; PNX-14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PNX-14. No significant cross-reactivity or interference between PNX-14 and analogues was observed.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	1.563-100pg/ml
Sensitivity	0.938pg/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 PNX-14 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	224177528
NCBI GeneID	389203
NCBI Accession #	NP_001138904.1
NCBI GenBank Nucleotide #	NM_001145432.1
UniProt Accession #	Q8N5G0; Q9BRT5; C9JYT8
Molecular Weight	7,702 Da
NCBI Official Full Name	small integral membrane protein 20

NCBI Official Synonym Full Names	small integral membrane protein 20
NCBI Official Symbol	SMIM20
NCBI Official Synonym Symbols	C4orf52
NCBI Protein Information	small integral membrane protein 20
UniProt Protein Name	Small integral membrane protein 20
UniProt Gene Name	SMIM20
UniProt Synonym Gene Names	C4orf52
UniProt Entry Name	SMI20_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/pnx-14-phoenixin-14/250214>