

Rat PFN1 (Profilin-1) ELISA Kit | PFN1 elisa kit

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CATALOG #
AAA251147

REACTIVITY
Rat

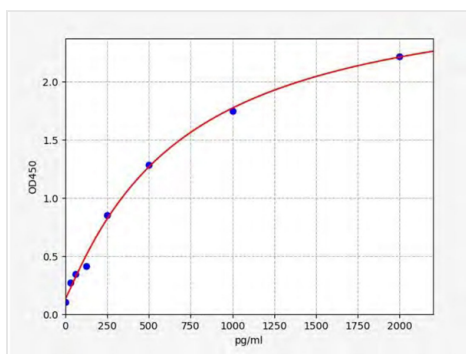
PRODUCT SYNONYMS

PFN1 (Profilin-1); Rat PFN1 (Profilin-1) ELISA Kit; PFN1; Profilin-1; Profilin I; PFN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Specifically recognize PFN1, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PFN1 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti PFN1 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti PFN1 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with PFN1 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of PFN1 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	42476144
NCBI GeneID	64303
NCBI Accession #	NP_071956.2
NCBI GenBank Nucleotide #	NM_022511.2
UniProt Accession #	P62963; P10924
Molecular Weight	14,957 Da
NCBI Official Full Name	profilin-1
NCBI Official Synonym Full Names	profilin 1
NCBI Official Symbol	Pfn1
NCBI Protein Information	profilin-1
UniProt Protein Name	Profilin-1
UniProt Gene Name	Pfn1
UniProt Entry Name	PROF1_RAT

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.