

Mouse Proenkephalin-B (PDYN) ELISA Kit | PDYN elisa kit

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CATALOG #
AAA245988

REACTIVITY
Mouse

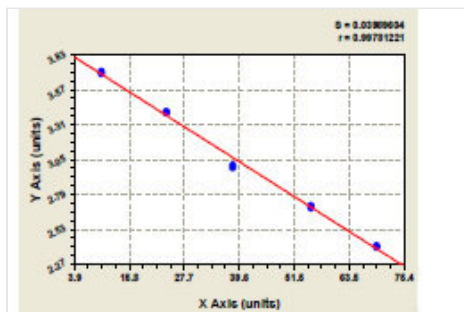
PRODUCT SYNONYMS

Proenkephalin-B (PDYN); Mouse Proenkephalin-B (PDYN) ELISA Kit; PDYN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDYN elisa kit

Intended Uses: This PDYN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PDYN.

Principle of the Assay: PDYN ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PDYN antibody and an PDYN-HRP conjugate. The assay sample and buffer are incubated together with PDYN-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 PDYN concentration since PDYN from samples and PDYN-HRP conjugate compete for the anti-PDYN antibody binding site. Since the number of sites is limited, as more sites are occupied by PDYN from the sample, fewer sites are left to bind PDYN-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PDYN concentration in each sample is interpolated from this standard curve.

Product Categories/Family for PDYN elisa kit

Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	300116234
NCBI GeneID	5173
NCBI Accession #	NP_001177829.1
NCBI GenBank Nucleotide #	NM_001190900.1
Molecular Weight	28,385 Da
NCBI Official Full Name	proenkephalin-B preproprotein
NCBI Official Synonym Full Names	prodynorphin
NCBI Official Symbol	PDYN
NCBI Official Synonym Symbols	ADCA; PENKB; SCA23
NCBI Protein Information	proenkephalin-B; rimorphin; leumorphin; leu-enkephalin; preprodynorphin; preproenkephalin B; beta-neoendorphin-dynorphin; neoendorphin-dynorphin-enkephalin prepropeptide
UniProt Protein Name	Proenkephalin-B
UniProt Gene Name	PDYN
UniProt Synonym Gene Names	Big Dyn; Dyn-A17; Dynorphin A; Dyn-B
UniProt Entry Name	PDYN_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/mouse-elisa-kits/proenkephalin-b-pdyn/245988>