

Rat Aspartyl aminopeptidase (DNPEP) ELISA Kit | DNPEP elisa kit

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CATALOG #
AAA97615

REACTIVITY
Rat

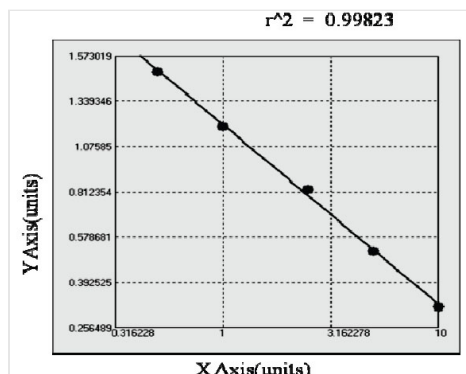
PRODUCT SYNONYMS

Aspartyl aminopeptidase (DNPEP); Rat Aspartyl aminopeptidase (DNPEP) ELISA Kit; DNPEP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This ARNT3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ARNT3. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DNPEP elisa kit

Principle of the assay: ARNT3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ARNT3 antibody and an ARNT3-HRP conjugate. The assay sample and buffer are incubated together with ARNT3-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 ARNT3 concentration since ARNT3 from samples and ARNT3-HRP conjugate compete for the anti-ARNT3 antibody binding site. Since the number of sites is limited, as more sites are occupied by ARNT3 from the sample, fewer sites are left to bind ARNT3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ARNT3 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	156416028
NCBI GeneID	23549
NCBI Accession #	NP_036232.2
NCBI GenBank Nucleotide #	NM_012100.2
Molecular Weight	52,428 Da
NCBI Official Full Name	aspartyl aminopeptidase
NCBI Official Synonym Full Names	aspartyl aminopeptidase
NCBI Official Symbol	DNPEP
NCBI Official Synonym Symbols	DAP; ASPEP
NCBI Protein Information	aspartyl aminopeptidase
UniProt Protein Name	Aspartyl aminopeptidase
UniProt Gene Name	DNPEP
UniProt Synonym Gene Names	ASPEP; DAP
UniProt Entry Name	DNPEP_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/rat-elisa-kits/aspartyl-aminopeptidase-dnpep/97615>