

Rat 5-Nucleotidase ELISA Kit | 5NT elisa kit

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CATALOG #
AAA87564

REACTIVITY
Rat

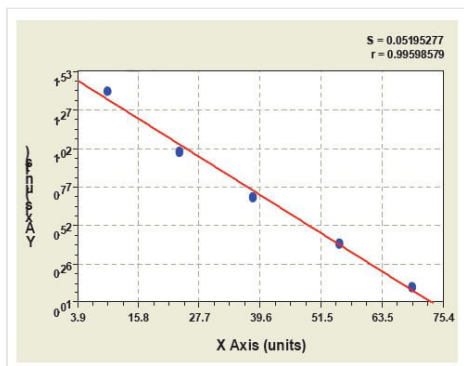
PRODUCT SYNONYMS

5-Nucleotidase; Rat 5-Nucleotidase ELISA Kit; 5NT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This 5NT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat 5NT. 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 5NT elisa kit

Principle of the Assay: 5NT ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-5NT antibody and an 5NT-HRP conjugate. The assay sample and buffer are incubated together with 5NT-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 5NT concentration since 5NT from samples and 5NT-HRP conjugate compete for the anti-5NT antibody binding site. Since the number of sites is limited, as more sites are occupied by 5NT from the sample, fewer sites are left to bind 5NT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The 5NT concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	23897
NCBI GeneID	4907
UniProt Accession #	P21589; O75520; Q5W116; B3KQI8
Molecular Weight	57,949 Da
NCBI Official Full Name	5'-nucleotidase
NCBI Official Synonym Full Names	5'-nucleotidase, ecto (CD73)
NCBI Official Symbol	NT5E
NCBI Official Synonym Symbols	NT; eN; NT5; NTE; eNT; CD73; E5NT; CALJA
NCBI Protein Information	5'-nucleotidase; 5'-NT; ecto-5'-nucleotidase; Purine 5-Prime-Nucleotidase
UniProt Protein Name	5'-nucleotidase
UniProt Gene Name	NT5E
UniProt Synonym Gene Names	NT5; NTE; 5'-NT
UniProt Entry Name	5NTD_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/5nt-rat-elisa-kits/5-nucleotidase/87564>