

Canine 5-Nucleotidase ELISA Kit | 5NT elisa kit

Canine 5-Nucleotidase ELISA Kit

CATALOG #
AAA93654

REACTIVITY
Canine

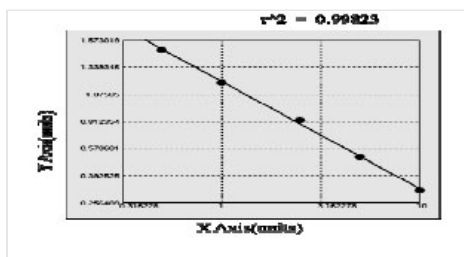
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 5NT elisa kit

Intended Uses: This 5NT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine 5NT.

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.

Product Categories/Family for 5NT elisa kit

Cell Biology

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://www.aaabiotech.com/5nt-canine-elisa-kits/5-nucleotidase/93654>