

Mouse 5'-Nucleotidase, Ecto (NT5E) ELISA Kit | NT5E elisa kit

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CATALOG #
AAA68631

REACTIVITY
Mouse

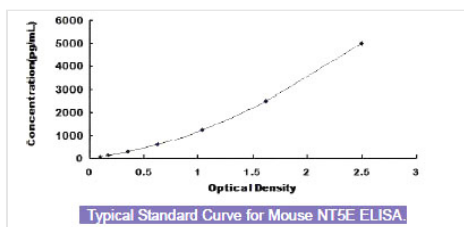
PRODUCT SYNONYMS

5'-Nucleotidase; Ecto (NT5E); Mouse 5'-Nucleotidase; Ecto (NT5E) ELISA Kit; CD73; NT5-E; E5NT; E5-NT; NTE; EN; ENT; NT5E elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of NT5E. No significant cross-reactivity or interference between NT5E and analogues was observed.
Sequence Length	576
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	78.125-5000pg/mL
Sensitivity	<26.1pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NT5E were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NT5E were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NT5E elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of NT5E in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NT5E. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NT5E. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain NT5E, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of NT5E in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6754900
NCBI GeneID	23959
NCBI Accession #	NP_035981.1
NCBI GenBank Nucleotide #	NM_011851.4
UniProt Accession #	Q61503; Q3U3S1
Molecular Weight	63,864 Da
NCBI Official Full Name	5'-nucleotidase preproprotein
NCBI Official Synonym Full Names	5' nucleotidase, ecto
NCBI Official Symbol	Nt5e
NCBI Official Synonym Symbols	NT; Nt5; eNT; CD73; 5'-NT; AI447961; 2210401F01Rik
NCBI Protein Information	5'-nucleotidase
UniProt Protein Name	5'-nucleotidase
UniProt Gene Name	Nt5e
UniProt Synonym Gene Names	Nt5; Nte; 5'-NT

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/5-nucleotidase-ecto-nt5e/68631>