

Rat Nestin (NES) ELISA Kit | NES elisa kit

Rat Nestin (NES)(Sandwich ELISA) ELISA Kit

CATALOG # AAA189487	REACTIVITY Rat	APPLICATIONS ELISA
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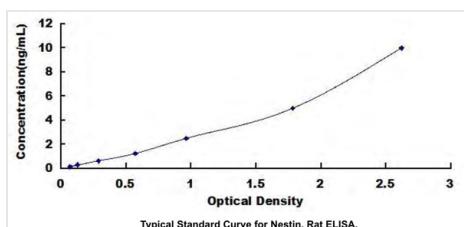
PRODUCT SYNONYMS

Nestin (NES); Rat Nestin (NES)(Sandwich ELISA) ELISA Kit; ELISA Kit for Nestin (NES); NES/Nestin; NES elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of nestin. No significant cross-reactivity or interference between nestin and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Applicable Applications for NES elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level nestin 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 nestin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/ -20 degree C for long-term (within shelf life). The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NES elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to nestin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to nestin. 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 nestin, 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 nestin in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of nestin in rat tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for NES elisa kit	Immune molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	6981262
NCBI GeneID	25491
NCBI Accession #	NP_037119.1
NCBI GenBank Nucleotide #	NM_012987.1
UniProt Accession #	P21263; Q8CJ14
Molecular Weight	198,623 Da
NCBI Official Full Name	nestin
NCBI Official Synonym Full Names	nestin
NCBI Official Symbol	Nes
NCBI Protein Information	nestin
UniProt Protein Name	Nestin
UniProt Gene Name	Nes
UniProt Entry Name	NEST_RAT

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/rat-elisa-kits/nestin-nes/189487>