

Human Neurogenin 3 (NEUROG3) ELISA Kit | NEUROG3 elisa kit

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CATALOG #
AAA152360

REACTIVITY
Human

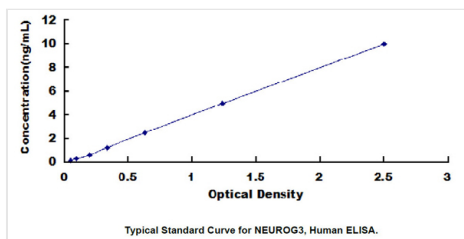
PRODUCT SYNONYMS

Neurogenin 3 (NEUROG3); Human Neurogenin 3 (NEUROG3) ELISA Kit; Math4B; Atoh5; ngn3; bHLHa7; Class A basic helix-loop-helix protein 7; Protein atonal homolog 5; NEUROG3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NEUROG3. No significant cross-reactivity or interference between NEUROG3 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NEUROG3 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 NEUROG3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unused kit: The whole kit could be stored at -20oC in shelf life, while up to one month at 4oC. For experiment convenience, reagents could also be stored seperately, Standard, Detection Reagent A, Detection Reagent B and 96-well strip plate should be stored at -20oC while the others could be at 4 oC. For used kit: When the kit is used, the remaining reagents need to be stored according to the above storage condition. Besides, please return the unused wells to the foil pouch containing the desiccant pack, and zip-seal the foil pouch.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NEUROG3 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to NEUROG3. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to NEUROG3. 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 NEUROG3, 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 NEUROG3 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 NEUROG3 in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for NEUROG3 elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GeneID	50674
Molecular Weight	23,077 Da
NCBI Official Full Name	neurogenin-3
NCBI Official Synonym Full Names	neurogenin 3
NCBI Official Symbol	NEUROG3
NCBI Official Synonym Symbols	ngn3; Atoh5; NGN-3; Math4B; bHLHa7
NCBI Protein Information	neurogenin-3
UniProt Protein Name	Neurogenin-3
UniProt Gene Name	NEUROG3
UniProt Synonym Gene Names	ATOH5; BHLHA7; NGN3; NGN-3; bHLHa7

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.