

Human Growth Associated Protein 43 (GAP43) ELISA Kit | GAP43 elisa kit

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CATALOG #
AAA140397

REACTIVITY
Human

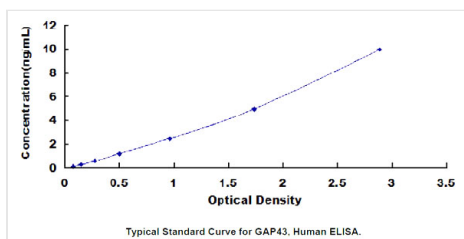
PRODUCT SYNONYMS

Growth Associated Protein 43 (GAP43); Human Growth Associated Protein 43 (GAP43) ELISA Kit; F1; B-50; PP46; Neuron Growth-Associated Protein 43; Neuromodulin; Axonal Membrane Protein GAP-43; Protein F1; Calmodulin-Binding Protein P-57; Neural Phosphoprotein B-50; GAP43 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GAP43. No significant cross-reactivity or interference between GAP43 and analogues was observed.
Sequence Length	274
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GAP43 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 GAP43 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	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 GAP43 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to GAP43. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to GAP43. 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 GAP43, 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 GAP43 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 GAP43 in human serum, plasma, tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for GAP43 elisa kit	Neuroscience; Developmental science

NCBI AND UNIPROT INFORMATION

NCBI GI #	119600000
NCBI GeneID	2596
UniProt Accession #	P17677; A8K0Y4
Molecular Weight	28,766 Da
NCBI Official Full Name	growth associated protein 43
NCBI Official Synonym Full Names	growth associated protein 43
NCBI Official Symbol	GAP43
NCBI Official Synonym Symbols	B-50; PP46
NCBI Protein Information	neuromodulin
UniProt Protein Name	Neuromodulin
UniProt Gene Name	GAP43
UniProt Entry Name	NEUM_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/human-elisa-kits/growth-associated-protein-43-gap43/140397>