

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

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CATALOG #
AAA13962

REACTIVITY
Mouse

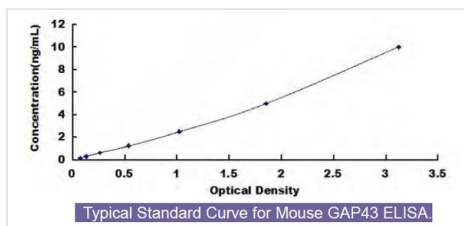
PRODUCT SYNONYMS

Growth Associated Protein 43 (GAP43); Mouse 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	Mouse
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	227
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates or 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 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	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GAP43 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GAP43. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation 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 the in vitro quantitative measurement of GAP43 in mouse tissue homogenates, cell lysates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6679935
NCBI GeneID	14432
NCBI Accession #	NP_032109.1
NCBI GenBank Nucleotide #	NM_008083.2
UniProt Accession #	P06837
Molecular Weight	23,632 Da
NCBI Official Full Name	neuromodulin
NCBI Official Synonym Full Names	growth associated protein 43
NCBI Official Symbol	Gap43
NCBI Official Synonym Symbols	B-50; Basp2; GAP-43
NCBI Protein Information	neuromodulin
UniProt Protein Name	Neuromodulin
UniProt Gene Name	Gap43
UniProt Synonym Gene Names	Basp2

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/mouse-elisa-kits/growth-associated-protein-43-gap43/13962>