

Chicken Growth Associated Protein 43 ELISA Kit | GAP43 elisa kit

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CATALOG #
AAA88698

REACTIVITY
Chicken

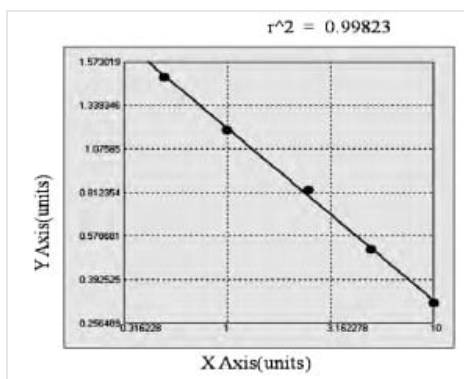
PRODUCT SYNONYMS

Growth Associated Protein 43; Chicken Growth Associated Protein 43 ELISA Kit; GAP43 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This GAP43 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken GAP43. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GAP43 elisa kit

Principle of the assay: GAP43 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GAP43 antibody and an GAP43-HRP conjugate. The assay sample and buffer are incubated together with GAP43-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GAP43 concentration since GAP43 from samples and GAP43-HRP conjugate compete for the anti-GAP43 antibody binding site. Since the number of sites is limited, as more sites are occupied by GAP43 from the sample, fewer sites are left to bind GAP43-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GAP43 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GAP43 elisa kit

[Neurobiology](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	119600000
NCBI GeneID	2596
UniProt Accession #	P17677; A8K0Y4; Q5U058; Q6LB24
Molecular Weight	24,803 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; protein F1; neural phosphoprotein B-50; growth-associated protein 43; axonal membrane protein GAP-43; calmodulin-binding protein P-57; nerve growth-related peptide GAP43; neuron growth-associated protein 43
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/gap43-chicken-elisa-kits/growth-associated-protein-43/88698>