

Bovine Glial Fibrillary Acidic Protein (GFAP) ELISA Kit | GFAP elisa kit

Cattle Glial Fibrillary Acidic Protein (GFAP) ELISA Kit

CATALOG #
AAA182699

REACTIVITY
Bovine

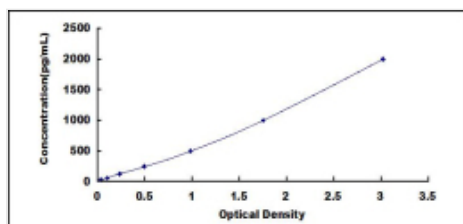
PRODUCT SYNONYMS

Glial Fibrillary Acidic Protein (GFAP); Cattle Glial Fibrillary Acidic Protein (GFAP) ELISA Kit; Intermediate Filament Protein; GFAP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of Glial Fibrillary Acidic Protein (GFAP). No significant cross-reactivity or interference between Glial Fibrillary Acidic Protein (GFAP) and analogues was observed.
Sequence Length	432
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and Other Biological Fluids
Detection Range	31.25-2000pg/mL
Sensitivity	< 12.8pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Glial Fibrillary Acidic Protein (GFAP) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Glial Fibrillary Acidic Protein (GFAP) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 GFAP elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Glial Fibrillary Acidic Protein (GFAP). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Glial Fibrillary Acidic Protein (GFAP). 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 Glial Fibrillary Acidic Protein (GFAP), 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 Glial Fibrillary Acidic Protein (GFAP) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	251802
NCBI GeneID	2670
UniProt Accession #	P14136; Q53H98; Q5D055; Q6ZQS3; Q7Z5J6; Q7Z5J7; Q96KS4; Q96P18; Q9UFD0; B2RD44; D3DX59; E9PAX3
Molecular Weight	49,508 Da
NCBI Official Full Name	glial fibrillary acidic protein
NCBI Official Synonym Full Names	glial fibrillary acidic protein
NCBI Official Symbol	GFAP
NCBI Official Synonym Symbols	ALXDRD
NCBI Protein Information	glial fibrillary acidic protein
UniProt Protein Name	Glial fibrillary acidic protein
UniProt Gene Name	GFAP
UniProt Synonym Gene Names	GFAP

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/bovine-ovine-elisa-kits/glial-fibrillary-acidic-protein-gfap/182699>