

Mouse Gastrokine 1 (GKN1) ELISA Kit | GKN1 elisa kit

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CATALOG #
AAA151292

REACTIVITY
Mouse

PRODUCT SYNONYMS

Gastrokine 1 (GKN1); Mouse Gastrokine 1 (GKN1) ELISA Kit; GKN1/Gastrokine 1; CA11; AMP18; BRICD1; FOV; Foveolin; 18 kDa antrum mucosa protein; GKN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of GKN1. No significant cross-reactivity or interference between GKN1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GKN1 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 GKN1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term(within shelf life) Shelf Life: 8 months 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.

ADDITIONAL INFORMATION

Related Product Information for GKN1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to GKN1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to GKN1. 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 GKN1, 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 GKN1 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 GKN1 in mouse tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for GKN1 elisa kit	Tumor immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	13384882
NCBI GeneID	66283
NCBI Accession #	NP_079742.1
NCBI GenBank Nucleotide #	NM_025466.1
UniProt Accession #	Q9CR36; Q9CTZ5; Q9D7K7
Molecular Weight	21,887 Da
NCBI Official Full Name	gastrokine-1
NCBI Official Synonym Full Names	gastrokine 1
NCBI Official Symbol	Gkn1
NCBI Official Synonym Symbols	Fov; AMP-18; BRICD1; 2200002K21Rik
NCBI Protein Information	gastrokine-1; foveolin; protein CA11 homolog; 18 kDa antrum mucosa protein
UniProt Protein Name	Gastrokine-1
UniProt Gene Name	Gkn1
UniProt Synonym Gene Names	Amp18; Ca11; AMP-18
UniProt Entry Name	GKN1_MOUSE

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/gastrokine-1-gkn1/151292>