

Mouse Growth Factor Receptor Bound Protein 2 ELISA Kit | Grb2 elisa kit

Mouse Growth Factor Receptor Bound Protein 2 (Grb2) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA189896

REACTIVITY
Mouse

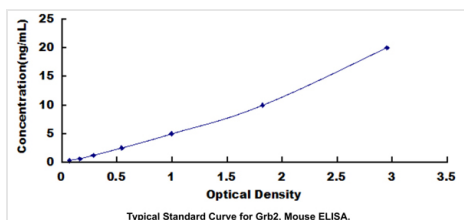
PRODUCT SYNONYMS

Growth Factor Receptor Bound Protein 2; Mouse Growth Factor Receptor Bound Protein 2 (Grb2) (Sandwich ELISA) ELISA Kit; ASH; NCKAP2; EGFRBP-GRB2; Grb3-3; Adapter protein GRB2; Protein Ash; SH2/SH3 adapter GRB2; ELISA Kit for Growth Factor Receptor Bound Protein 2 (Grb2); Grb2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Grb2. No significant cross-reactivity or interference between Grb2 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.113ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Grb2 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 Grb2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Grb2 elisa kit

Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to Grb2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Grb2. 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 Grb2, 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 $\pm$ 10nm. The concentration of Grb2 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 Grb2 in mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6680083
NCBI GeneID	14784
NCBI Accession #	NP_032189.1
NCBI GenBank Nucleotide #	NM_008163.3
UniProt Accession #	Q60631; Q61240
Molecular Weight	25,238 Da
NCBI Official Full Name	growth factor receptor-bound protein 2
NCBI Official Synonym Full Names	growth factor receptor bound protein 2
NCBI Official Symbol	Grb2
NCBI Official Synonym Symbols	Ash; AA408164
NCBI Protein Information	growth factor receptor-bound protein 2; SH2/SH3 adapter GRB2; adapter protein GRB2
UniProt Protein Name	Growth factor receptor-bound protein 2
UniProt Gene Name	Grb2
UniProt Entry Name	GRB2_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://stage.aaabiotech.com/grb2-mouse-elisa-kits/growth-factor-receptor-bound-protein-2/189896>