

Human Growth Factor Receptor Bound Protein 2 (Grb2) ELISA Kit | Grb2 elisa kit

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CATALOG #
AAA138337

REACTIVITY
Human

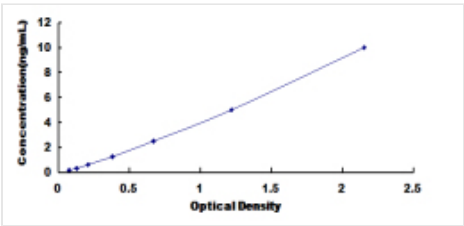
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Growth Factor Receptor Bound Protein 2 (Grb2). No significant cross-reactivity or interference between Growth Factor Receptor Bound Protein 2 (Grb2) and analogues was observed.
Sequence Length	59
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Growth Factor Receptor Bound Protein 2 (Grb2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Growth Factor Receptor Bound Protein 2 (Grb2) 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 Grb2 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 Growth Factor Receptor Bound Protein 2 (Grb2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Growth Factor Receptor Bound Protein 2 (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 Growth Factor Receptor Bound Protein 2 (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 ± 10nm. The concentration of Growth Factor Receptor Bound Protein 2 (Grb2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for Grb2 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	77539774
NCBI GeneID	81504
NCBI Accession #	NP_110473.2
NCBI GenBank Nucleotide #	NM_030846.2
UniProt Accession #	P62994; P29354; Q14450; Q5BKA7; Q63057; Q63059
Molecular Weight	6,880 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 Protein Information	growth factor receptor-bound protein 2
UniProt Protein Name	Growth factor receptor-bound protein 2
UniProt Gene Name	Grb2
UniProt Synonym Gene Names	Ash
UniProt Entry Name	GRB2_RAT

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.