

Human Guanylate Binding Protein 5 (GBP5) ELISA Kit | GBP5 elisa kit

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CATALOG #
AAA150034

REACTIVITY
Human

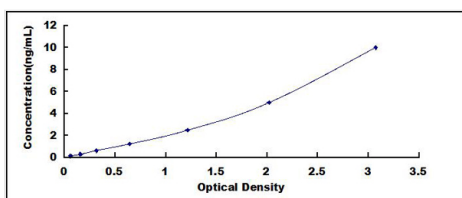
PRODUCT SYNONYMS

Guanylate Binding Protein 5 (GBP5); Human Guanylate Binding Protein 5 (GBP5) ELISA Kit; GBP-TA antigen GTP-binding protein 5; Guanine nucleotide-binding protein 5; GBP5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Guanylate Binding Protein 5 (GBP5). No significant cross-reactivity or interference between Guanylate Binding Protein 5 (GBP5) and analogues was observed.
Sequence Length	586
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.056ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Guanylate Binding Protein 5 (GBP5) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Guanylate Binding Protein 5 (GBP5) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ 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 GBP5 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 Guanylate Binding Protein 5 (GBP5). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Guanylate Binding Protein 5 (GBP5). 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 Guanylate Binding Protein 5 (GBP5), 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 Guanylate Binding Protein 5 (GBP5) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for GBP5 elisa kit	Infection Immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	16418425
NCBI GeneID	115362
NCBI Accession #	NP_443174
NCBI GenBank Nucleotide #	NP_443174.1
UniProt Accession #	Q96PP8
NCBI Official Full Name	guanylate-binding protein 5
NCBI Official Synonym Full Names	guanylate binding protein 5
NCBI Official Symbol	GBP5
NCBI Official Synonym Symbols	GBP-5
NCBI Protein Information	guanylate-binding protein 5
UniProt Protein Name	Guanylate-binding protein 5
UniProt Gene Name	GBP5
UniProt Synonym Gene Names	GBP-5
UniProt Entry Name	GBP5_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/human-elisa-kits/guanylate-binding-protein-5-gbp5/150034>