

Mouse Heat Shock 70kDa Protein 5 (HSPA5) CLIA Kit | HSPA5 clia kit

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CATALOG # AAA189086	REACTIVITY Mouse	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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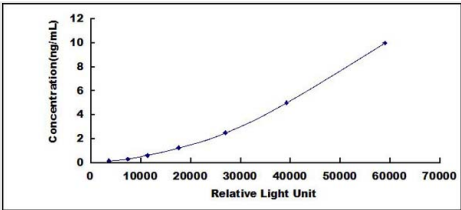
PRODUCT SYNONYMS

Heat Shock 70kDa Protein 5 (HSPA5); Mouse Heat Shock 70kDa Protein 5 (HSPA5) CLIA Kit; Heat Shock 70kDa Protein 5; MIF2; BIP; GRP78; Immunoglobulin heavy chain-binding protein; Glucose Regulated Protein 78; Binding Immunoglobulin Protein; Endoplasmic reticulum lumenal Ca binding grp78; HSPA5 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Heat Shock 70kDa Protein 5 (HSPA5). No significant cross-reactivity or interference between Heat Shock 70kDa Protein 5 (HSPA5) and analogues was observed.
Sequence Length	655
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.055ng/mL
Applicable Applications for HSPA5 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Heat Shock 70kDa Protein 5 (HSPA5) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Heat Shock 70kDa Protein 5 (HSPA5) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Heat Shock 70kDa Protein 5 (HSPA5). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Heat Shock 70kDa Protein 5 (HSPA5). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Heat Shock 70kDa Protein 5 (HSPA5) level in the sample or standard.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	2506545
NCBI GeneID	14828
UniProt Accession #	P20029
NCBI Official Full Name	Endoplasmic reticulum chaperone BiP
NCBI Official Synonym Full Names	heat shock protein 5
NCBI Official Symbol	Hspa5
NCBI Official Synonym Symbols	Bip; Sez7; mBiP; Grp78; SEZ-7; Hsce70; baffled; AL022860; AU019543; D2Wsu17e; D2Wsu141e
NCBI Protein Information	endoplasmic reticulum chaperone BiP
UniProt Protein Name	78 kDa glucose-regulated protein
UniProt Gene Name	Hspa5
UniProt Synonym Gene Names	BiP

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/mouse-clia-kits/heat-shock-70kda-protein-5-hspa5/189086>