

Human 78 kDa glucose-regulated protein ELISA Kit | HSPA5 elisa kit

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CATALOG #
AAA101120

REACTIVITY
Human

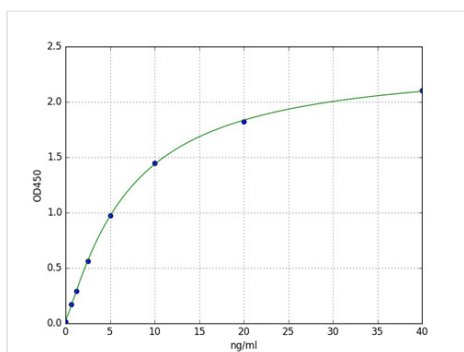
PRODUCT SYNONYMS

78 kDa glucose-regulated protein; Human 78 kDa glucose-regulated protein ELISA Kit; GRP78 (Glucose Regulated Protein 78)/HSPA5/BIP/GRP-78/HSP70-5/MIF2/78 kDa glucose-regulated protein/Endoplasmic reticulum lumenal Ca (2+)-binding protein grp78/Heat shock 70 kDa protein 5/heat shock 70kD protein 5 (glucose-regulated protein; 78kD)/Immunoglobulin heavy chain-binding protein; HSPA5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	654
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.625-40ng/ml
Sensitivity	0.375ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human HSPA5 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.625	1.25	2.5	5	10	20	40
Y	OD450	0.064	0.137	0.209	0.356	0.632	1.132	1.934	2.381

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSPA5 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human HSPA5 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human HSPA5 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human HSPA5 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human HSPA5 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16507237
NCBI GeneID	3309
NCBI Accession #	NP_005338.1
NCBI GenBank Nucleotide #	NM_005347.4
Molecular Weight	72,333 Da
NCBI Official Full Name	78 kDa glucose-regulated protein
NCBI Official Synonym Full Names	heat shock protein family A (Hsp70) member 5
NCBI Official Symbol	HSPA5
NCBI Official Synonym Symbols	BIP; MIF2; GRP78; HEL-S-89n
NCBI Protein Information	78 kDa glucose-regulated protein
UniProt Protein Name	78 kDa glucose-regulated protein
UniProt Gene Name	HSPA5
UniProt Synonym Gene Names	GRP78; GRP-78; BiP
UniProt Entry Name	GRP78_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/hspa5-human-elisa-kits/78-kda-glucose-regulated-protein/101120>