

Human Glucose Regulated Protein 78 ELISA Kit | GRP78 elisa kit

Human GRP78 (Glucose Regulated Protein 78) ELISA Kit

CATALOG #
AAA22032

REACTIVITY
Human

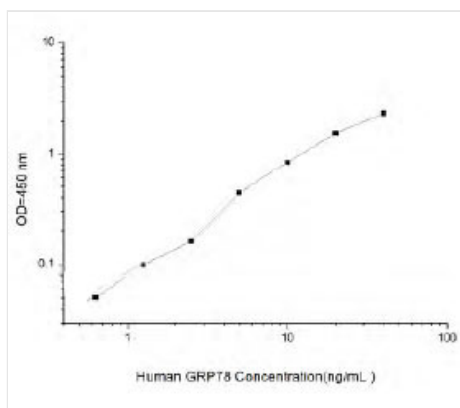
PRODUCT SYNONYMS

Glucose Regulated Protein 78; Human GRP78 (Glucose Regulated Protein 78) ELISA Kit ; Hspa5; GRP78 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human GRP78 in samples. No significant cross-reactivity or interference between Human GRP78 and analogues was observed.
Sequence Length	682
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.63-40ng/mL
Sensitivity	0.38ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human GRP78 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human GRP78 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GRP78 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human GRP78. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human GRP78 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human GRP78, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Human GRP78. You can calculate the concentration of Human GRP78 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human GRP78 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	171130
Molecular Weight	74,468 Da
NCBI Official Full Name	glucose regulated protein 78
UniProt Protein Name	78 kDa glucose-regulated protein homolog
UniProt Gene Name	KAR2
UniProt Synonym Gene Names	GRP78; SSD1; GRP-78; BiP
UniProt Entry Name	GRP78_YEAST

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.