

Human Golgi Protein 73 (GP73) RTU ELISA Kit | GP73 rtu elisa kit

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CATALOG #
AAA70971

REACTIVITY
Human

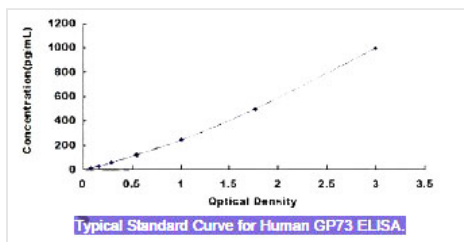
PRODUCT SYNONYMS

Golgi Protein 73 (GP73); Human Golgi Protein 73 (GP73) ELISA Kit; GOLM1; GOLPH2; C9orf155; Golgi Membrane Protein 1; Golgi Phosphoprotein 2; GP73 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GP73. No significant cross-reactivity or interference between GP73 and analogues was observed.
Sequence Length	401
Samples	Human serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	15.6-1000pg/mL
Sensitivity	<6.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GP73 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GP73 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GP73 rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of GP73 in human serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GP73. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GP73. 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 GP73, 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 GP73 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	29550838
NCBI GeneID	51280
NCBI Accession #	NP_057632.2
NCBI GenBank Nucleotide #	NM_016548.3
UniProt Accession #	Q8NBJ4; Q6IAF4; Q9NRB9
Molecular Weight	44,273 Da
NCBI Official Full Name	Golgi membrane protein 1
NCBI Official Synonym Full Names	golgi membrane protein 1
NCBI Official Symbol	GOLM1
NCBI Official Synonym Symbols	GP73; HEL46; GOLPH2; C9orf155; PSEC0257; bA379P1.3
NCBI Protein Information	Golgi membrane protein 1
UniProt Protein Name	Golgi membrane protein 1
UniProt Gene Name	GOLM1
UniProt Synonym Gene Names	C9orf155; GOLPH2

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.