

Mouse G Protein Coupled Estrogen Receptor 1 (GPER) ELISA Kit | GPER elisa kit

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CATALOG #
AAA136871

REACTIVITY
Mouse

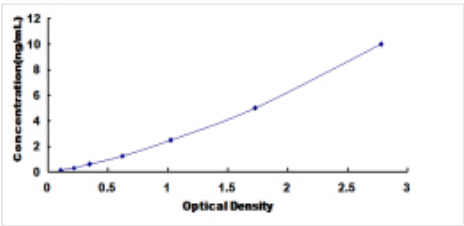
PRODUCT SYNONYMS

G Protein Coupled Estrogen Receptor 1 (GPER); Mouse G Protein Coupled Estrogen Receptor 1 (GPER) ELISA Kit; GPR30; CMKRL2; DRY12; FEG-1; GPCR-Br; LERGU; LyGPR; Membrane estrogen receptor; Chemoattractant receptor-like 2; Flow-induced endothelial G-protein coupled receptor 1; GPER elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of G Protein Coupled Estrogen Receptor 1 (GPER). No significant cross-reactivity or interference between G Protein Coupled Estrogen Receptor 1 (GPER) and analogues was observed.
Sequence Length	375
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.114ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level G Protein Coupled Estrogen Receptor 1 (GPER) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level G Protein Coupled Estrogen Receptor 1 (GPER) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
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 GPER 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 G Protein Coupled Estrogen Receptor 1 (GPER). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to G Protein Coupled Estrogen Receptor 1 (GPER). 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 G Protein Coupled Estrogen Receptor 1 (GPER), 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 G Protein Coupled Estrogen Receptor 1 (GPER) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for GPER elisa kit	CD & Adhesion molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	148228791
NCBI GeneID	2852
NCBI Accession #	NP_001091671.1
NCBI GenBank Nucleotide #	NM_001098201.1
UniProt Accession #	Q99527; O00143; O43494; Q13631; Q6FHL1; Q96F42; Q99981; A8K6C5; B5BUJ1
Molecular Weight	42,248 Da
NCBI Official Full Name	G-protein coupled estrogen receptor 1
NCBI Official Synonym Full Names	G protein-coupled estrogen receptor 1
NCBI Official Symbol	GPER1
NCBI Official Synonym Symbols	mER; CEPR; GPER; DRY12; FEG-1; GPR30; LERGU; LyGPR; CMKRL2; LERGU2; GPCR-Br
NCBI Protein Information	G-protein coupled estrogen receptor 1
UniProt Protein Name	G-protein coupled estrogen receptor 1
UniProt Gene Name	GPER1
UniProt Synonym Gene Names	CEPR; CMKRL2; DRY12; GPER; GPR30; FEG-1; LYGPR; mER
UniProt Entry Name	GPER1_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.