

Rat Milk Fat Globule EGF Factor 8 (MFGE8) ELISA Kit | MFGE8 elisa kit

Rat Milk Fat Globule EGF Factor 8 (MFGE8) ELISA Kit

CATALOG #
AAA184541

REACTIVITY
Rat

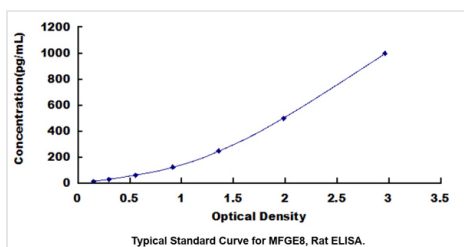
PRODUCT SYNONYMS

Milk Fat Globule EGF Factor 8 (MFGE8); Rat Milk Fat Globule EGF Factor 8 (MFGE8) ELISA Kit; HMFG; MFGM; SED1; BA46; EDIL1; OAcGD3S; SPAG10; hP47; Medin; Lactadherin; Sperm Associated Antigen 10; Sperm Surface Protein hP47; Milk fat globule-EGF factor 8; MFGE8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of MFGE8. No significant cross-reactivity or interference between MFGE8 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 5.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MFGE8 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 MFGE8 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 MFGE8 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MFGE8. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MFGE8. 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 MFGE8, 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 MFGE8 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MFGE8 in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	113674039
NCBI GeneID	541486
NCBI Accession #	NP_001038241.1
NCBI GenBank Nucleotide #	NM_001044776.1
NCBI Official Synonym Full Names	milk fat globule-EGF factor 8 protein a
NCBI Official Symbol	mfge8a
NCBI Official Synonym Symbols	mfge8l; im:6895406; zgc:110846
NCBI Protein Information	milk fat globule-EGF factor 8 protein a

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.