

Human MFGE8/Lactadherin ELISA Kit | MFGE8 elisa kit

Human MFGE8/Lactadherin PicoKine ELISA Kit

CATALOG #
AAA45755

REACTIVITY
Human

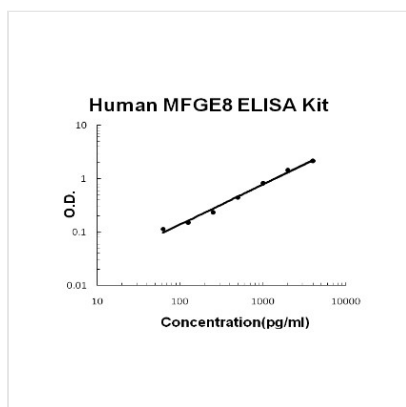
PRODUCT SYNONYMS

MFGE8/Lactadherin; Human MFGE8/Lactadherin PicoKine ELISA Kit; Lactadherin; milk fat globule-EGF factor 8 protein; BA46; Breast epithelial antigen BA46; Contains Medin; EDIL1; HMFG; hP47; HsT19888; LactadherinLactadherin [Precursor]; Medin; MFG E8; MFG-E8; MFGE8; MFGM; MFGM_HUMAN; Milk fat globule EGF factor 8; Milk fat globule EGF factor 8 protein; Milk fat globule-EGF factor 8; O acetyl disialoganglioside synthase; OAcGD3S; SED1; SPAG10; Sperm associated antigen 10; Sperm surface protein hP47; MFGE8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human MFGE8
Sequence Length	387
Samples	Cell culture supernates, serum, plasma (heparin, EDTA), saliva, urine and human milk
Assay Type	Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human MFGE8/Lactadherin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for MFGE8 elisa kit	Principle of the assay: human MFGE8 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for MFGE8 has been precoated onto 96-well plates. Standards(NSO, L24-C387) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for MFGE8 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 MFGE8 amount of sample captured in plate. Background: MFGE8 (Milk Fat Globule-Egf Factor 8), also called as Lactadherin or SED1, is a protein which in humans is encoded by the MFGE8 gene. Mfge8 is secreted protein found in vertebrates, including mammals as well as birds. By fluorescence in situ hybridization, the MFGE8 gene was mapped to chromosome 15q25. MFGE8 is a factor that links apoptotic cells to phagocytes. It specifically bound to apoptotic cells by recognizing aminophospholipids such as phosphatidylserine. MFGE8, when engaged by phospholipids, bound to cells via its RGD motif. It bound particularly strongly to cells expressing alpha-V-beta-3 integrin. It showed that Mfge8 was expressed in intestinal lamina propria macrophages in mice. Using a wound-healing assay, they showed that Mfge8 promoted migration of intestinal epithelial cells through a PKC-epsilon (PRKCE)-dependent mechanism.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2506380
NCBI GeneID	4240
UniProt Accession #	Q08431; Q53FU9; Q7Z3D2; Q9BTL9; B2R6M7
Molecular Weight	37,523 Da
NCBI Official Full Name	Lactadherin
NCBI Official Synonym Full Names	milk fat globule-EGF factor 8 protein
NCBI Official Symbol	MFGE8
NCBI Official Synonym Symbols	BA46; HMFG; MFGM; SED1; hP47; EDIL1; MFG-E8; SPAG10; OAcGD3S; HsT19888
NCBI Protein Information	lactadherin; medin; sperm surface protein hP47; sperm associated antigen 10; breast epithelial antigen BA46; O-acetyl disialoganglioside synthase
UniProt Protein Name	Lactadherin
UniProt Gene Name	MFGE8
UniProt Synonym Gene Names	MFG-E8
UniProt Entry Name	MFGM_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.