



[Go to Product page](#)

Datasheet for ABIN6719768

## MFGE8 ELISA Kit

### Overview

Quantity:	1 kit
Target:	MFGE8
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	62.5 pg/mL - 4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

### Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: BA46, Breast epithelial antigen BA46, Contains Medin, EDIL1, HMFG, hP47, HsT19888, Lactadherin, Lactadherin [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</p> <p>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</p>

## Product Details

---

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.

Gene Name: MFGE8

Production: Natural and recombinant mouse MFGE8. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: A23-C463

## Target Details

---

Target:	MFGE8
Alternative Name:	MFGE8 - Lactadherin ( <a href="#">MFGE8 Products</a> )
Gene ID:	17304
NCBI Accession:	<a href="#">NP_032620</a>
UniProt:	<a href="#">P21956</a>
Pathways:	<a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

---

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 4000pg/mL, 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL mouse MFGE8 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse MFGE8 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 62.5pg/mL-4000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated

## Application Details

---

Restrictions: For Research Use only

## Handling

---

Storage: RT, 4 °C, -20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.