

# Mouse MFGE8,Lactadherin ELISA Kit

Catalog No: #EK5524

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Mouse MFGE8,Lactadherin ELISA Kit
Specificity	Mouse
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen Type	NSO,A23-C463
Other Names	Lactadherin; MFGM; Milk fat globule-EGF factor 8; MFG-E8; SED1; Sperm surface protein SP47; MP47; Mfge8;
Accession No.	P21956
Uniprot	P21956
GeneID	17304;
Cell Localization	Membrane; Peripheral membrane protein. Secreted.

## Application Details

sensitivity:10pg mlDetect Range:62.5pg ml-4000pg ml  
sample\_type:cell culture supernates cell lysates tissue homogenates serum and plasma (heparin EDTA).  
capture\_antibody:monoclonal antibody from ratdetection\_antibody:polyclonal antibody from

goatgene\_name:MFGE8protein\_name:Lactadheringene\_full\_name:Lactadherintissue\_specificity: Mammary epithelial cell surfaces andspermatozoan. Isoform 2 is present in brain heart kidney andspleen and at low levels in lung liver small intestine andtestis..  
sequence\_similarities:Contains 2 EGF-like domains.tmb\_incubation:20-25minresearch\_category:cell biology|apoptosis|phagocytosis|cardiovascular|angiogenesis|angiogenic factors|kits/ lysates/ other|kits|elisa kits|adhesion molecules elisa kits|apoptosis marker and proteins elisa kits|angiogenic factors elisa kits|metabolism|pathways and processes|metabolism processes|cancer|cell death

## Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse MFGE8,Lactadherin

## Background

protein\_function: Contributes to phagocytic removal of apoptotic cells inmany tissues. Specific ligand for the alpha-v,beta-3 and alpha-v,beta-5 receptors. Also binds to phosphatidylserine-enriched cellsurfaces in a receptor-independent manner. Zona pellucida-bindingprotein which may play a role in gamete interaction (Bysimilarity). Plays an important role in the maintenance ofintestinal epithelial homeostasis and the promotion of mucosalhealing. Promotes VEGF-dependent neovascularization..  
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.

Note: This product is for in vitro research use only