

**HMFG Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12888b****Specification**

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**HMFG Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q08431](#)**HMFG Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 4240**Other Names**

Lactadherin, Breast epithelial antigen BA46, HMFG, MFGM, Milk fat globule-EGF factor 8, MFG-E8, SED1, Lactadherin short form, Medin, MFGE8

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**HMFG Antibody (C-term) Blocking peptide - Protein Information****Name** MFGE8**Function**

Plays an important role in the maintenance of intestinal epithelial homeostasis and the promotion of mucosal healing. Promotes VEGF-dependent neovascularization (By similarity). Contributes to phagocytic removal of apoptotic cells in many tissues. Specific ligand for the alpha-v/beta-3 and alpha-v/beta-5 receptors. Also binds to phosphatidylserine-enriched cell surfaces in a receptor-independent manner. Zona pellucida-binding protein which may play a role in gamete interaction.

**Cellular Location**

Membrane; Peripheral membrane protein. Secreted. Cytoplasmic vesicle, secretory vesicle, acrosome membrane {ECO:0000250|UniProtKB:P79385}; Peripheral membrane protein {ECO:0000250|UniProtKB:P79385}. Note=Located in the acrosomal region of zona-pellucida bound sperm. {ECO:0000250|UniProtKB:P79385}

**Tissue Location**

Mammary epithelial cell surfaces and aortic media. Overexpressed in several carcinomas

## **HMFG Antibody (C-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **HMFG Antibody (C-term) Blocking peptide - Images**

## **HMFG Antibody (C-term) Blocking peptide - Background**

HMFG plays an important role in the maintenance of intestinal epithelial homeostasis and the promotion of mucosal healing. Promotes VEGF-dependent neovascularization (By similarity). Contributes to phagocytic removal of apoptotic cells in many tissues. Specific ligand for the alpha-v/beta-3 and alpha-v/beta-5 receptors. Also binds to phosphatidylserine-enriched cell surfaces in a receptor-independent manner. Zona pellucida-binding protein which may play a role in gamete interaction. Binds specifically to rotavirus and inhibits its replication. Medin is the main constituent of aortic medial amyloid.

## **HMFG Antibody (C-term) Blocking peptide - References**

Yamaguchi, H., et al. Eur. J. Immunol. 40(6):1778-1785(2010)Wheeler, H.E., et al. PLoS Genet. 5 (10), E1000685 (2009) :Hu, C.Y., et al. Lupus 18(8):676-681(2009)Fu, Z., et al. Circ. Res. 104(12):1337-1346(2009)Raymond, A., et al. J. Cell. Biochem. 106(6):957-966(2009)