

Rabbit anti-Human HMFG Polyclonal Antibody | anti-MFGE8 antibody

HMFG Antibody (C-term)

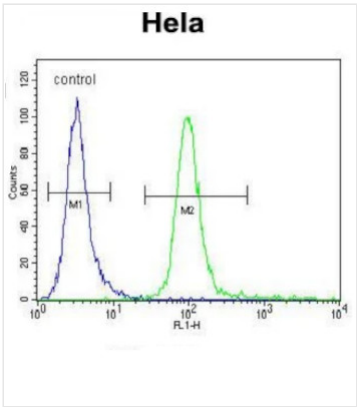
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284693	Rabbit	Human	Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

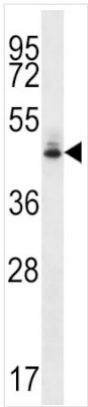
HMFG; Polyclonal Antibody; HMFG Antibody (C-term); Lactadherin; Breast epithelial antigen BA46; MFGM; Milk fat globule-EGF factor 8; MFG-E8; SED1; Lactadherin short form; Medin; MFGE8; anti-MFGE8 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This HMFG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 316-345 amino acids from the C-terminal region of human HMFG.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	316-345
Sequence Length	335
Applicable Applications for anti-MFGE8 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
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
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
HMFG Antibody (C-term) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
HMFG Antibody (C-term) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the HMFG antibody detected the HMFG protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MFGE8 antibody	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.
Product Categories/Family for anti-MFGE8 antibody	Cardiovascular; Cell Biology; Developmental Biology; Signal Transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	167830477
NCBI GeneID	4240
NCBI Accession #	NP_001108086.1; NP_005919.2
NCBI GenBank Nucleotide #	NM_001114614.1
UniProt Accession #	Q08431; Q53FU9; Q7Z3D2; Q9BTL9; B2R6M7
Molecular Weight	43105
NCBI Official Full Name	lactadherin isoform b
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
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hmfg-antibody-flow-cytometry-western-blot-elisa/284693>