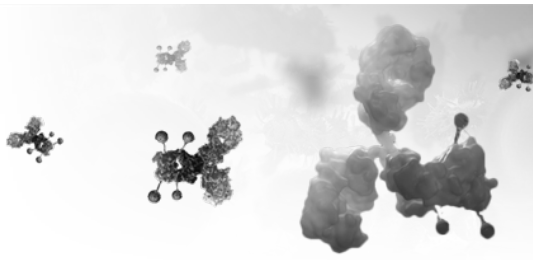

Human CDH1 peptide (DAG-P0381)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Mutations in this gene are correlated with gastric, breast, colorectal, thyroid and ovarian cancer. Loss of function is thought to contribute to progression in cancer by increasing proliferation, invasion, and/or metastasis. The ectodomain of this protein mediates bacterial adhesion to mammalian cells and the cytoplasmic domain is required for internalization. Identified transcript variants arise from mutation at consensus splice sites. [provided by RefSeq, Jul 2008]
Specificity	Non-neural epithelial tissues.
Conjugate	Unconjugated
Sequence Similarities	Contains 5 cadherin domains.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	CDH1 cadherin 1, type 1, E-cadherin (epithelial) [Homo sapiens (human)]
Official Symbol	CDH1
Synonyms	CDH1; cadherin 1, type 1, E-cadherin (epithelial); UVO; CDHE; ECAD; LCAM; Arc-1; CD324; cadherin-1; CAM 120/80; E-Cadherin; uvomorulin; cell-CAM 120/80; epithelial cadherin; cadherin 1, E-cadherin (epithelial); calcium-dependent adhesion protein, epithelial;

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Entrez Gene ID	999
mRNA Refseq	NM_004360.3
Protein Refseq	NP_004351.1
UniProt ID	P12830
Chromosome Location	16q22.1
Pathway	Adaptive Immune System, organism-specific biosystem; Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Adherens junctions interactions, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptotic cleavage of cell adhesion proteins, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic execution phase, organism-specific biosystem; Arf6 trafficking events, organism-specific biosystem; Ba
Function	GTPase activating protein binding; ankyrin binding; beta-catenin binding; calcium ion binding; cell adhesion molecule binding; gamma-catenin binding; glycoprotein binding; protein binding; protein domain specific binding; protein phosphatase binding;

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