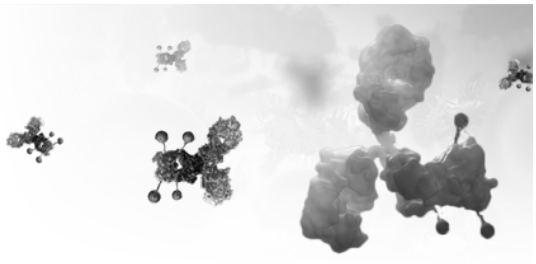

Human MUC4 peptide (DAG-P0940)

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

PRODUCT INFORMATION

Antigen Description	The major constituents of mucus, the viscous secretion that covers epithelial surfaces such as those in the trachea, colon, and cervix, are highly glycosylated proteins called mucins. These glycoproteins play important roles in the protection of the epithelial cells and have been implicated in epithelial renewal and differentiation. This gene encodes an integral membrane glycoprotein found on the cell surface, although secreted isoforms may exist. At least two dozen transcript variants of this gene have been found, although for many of them the full-length transcript has not been determined or they are found only in tumor tissues. This gene contains a region in the coding sequence which has a variable number (>100) of 48 nt tandem repeats. [provided by RefSeq, Jul 2008]
Specificity	Expressed in the thymus, thyroid, lung, trachea, esophagus, stomach, small intestine, colon, testis, prostate, ovary, uterus, placenta, and mammary and salivary glands. Expressed in carcinomas arising from some of these epithelia, such as lung cancers, sq
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Contains 1 AMOP domain.Contains 2 EGF-like domains.Contains 1 NIDO domain.Contains 1 VWFD domain.
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	MUC4 mucin 4, cell surface associated [Homo sapiens (human)]

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Official Symbol	MUC4
Synonyms	MUC4; mucin 4, cell surface associated; ASGP; MUC-4; HSA276359; mucin-4; testis mucin; tracheobronchial mucin; ascites sialoglycoprotein; mucin 4, tracheobronchial; pancreatic adenocarcinoma mucin;
Entrez Gene ID	4585
mRNA Refseq	NM_004532.5
Protein Refseq	NP_004523.3
UniProt ID	A0T3F4
Chromosome Location	3q29
Pathway	Metabolism of proteins, organism-specific biosystem; O-linked glycosylation of mucins, organism-specific biosystem; Post-translational protein modification, organism-specific biosystem; Termination of O-glycan biosynthesis, organism-specific biosystem;
Function	ErbB-2 class receptor binding; extracellular matrix constituent, lubricant activity;

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