



Human KRT8 peptide (DAG-P0371)

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

PRODUCT INFORMATION

Antigen Description	This gene is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. The product of this gene typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. Mutations in this gene cause cryptogenic cirrhosis. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2012]
Specificity	Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma membrane in structures that contain dystrophin and spectrin. Expressed in gingival mucosa and hard palate of the oral cavity.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the intermediate filament family.
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	KRT8 keratin 8 [Homo sapiens (human)]
Official Symbol	KRT8

Synonyms	KRT8; keratin 8; K8; KO; CK8; CK-8; CYK8; K2C8; CARD2; keratin, type II cytoskeletal 8; cytokeratin 8; cytokeratin-8; type-II keratin Kb8;
Entrez Gene ID	3856
mRNA Refseq	NM_001256282.1
Protein Refseq	NP_001243211.1
UniProt ID	Q7L4M3
Chromosome Location	12q13
Pathway	EGFR1 Signaling Pathway, organism-specific biosystem; Signaling mediated by p38-alpha and p38-beta, organism-specific biosystem;
Function	protein binding; protein complex binding; scaffold protein binding; structural molecule activity;