



PI3 peptide (DAG-P0434)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes an elastase-specific inhibitor that functions as an antimicrobial peptide against Gram-positive and Gram-negative bacteria. The protein contains a WAP-type four-disulfide core (WFDC) domain, and is thus a member of the WFDC domain family. Most WFDC gene members are localized to chromosome 20q12-q13 in two clusters: centromeric and telomeric. This gene belongs to the centromeric cluster. Expression of this gene is upregulated by bacterial lipopolysaccharides and cytokines. [provided by RefSeq, Oct 2008]
Purity	> 95 % by SDS-PAGE.
Conjugate	Unconjugated
Applications	WB, ELISA
Sequence Similarities	Contains 1 WAP domain.
Format	Liquid
Buffer	Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75

GENE INFORMATION

Gene Name	PI3 peptidase inhibitor 3, skin-derived [Homo sapiens (human)]
Official Symbol	PI3

Synonyms	PI3; peptidase inhibitor 3, skin-derived; ESI; WAP3; SKALP; WFDC14; cementoin; elafin; PI-3; trappin-2; pre-elafin; protease inhibitor WAP3; elastase-specific inhibitor; skin-derived antileukoproteinase; WAP four-disulfide core domain 14; WAP four-disulfide core domain protein 14; protease inhibitor 3, skin-derived (SKALP);
Entrez Gene ID	5266
mRNA Refseq	NM_002638.3
Protein Refseq	NP_002629.1
UniProt ID	P19957
Chromosome Location	20q13.12
Function	endopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity;