



Human ITGA9 peptide (DAG-P0669)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes an alpha integrin. Integrins are heterodimeric integral membrane glycoproteins composed of an alpha chain and a beta chain that mediate cell-cell and cell-matrix adhesion. The protein encoded by this gene, when bound to the beta 1 chain, forms an integrin that is a receptor for VCAM1, cytostatin and osteopontin. Expression of this gene has been found to be upregulated in small cell lung cancers. [provided by RefSeq, Jul 2008]
Specificity	In airway epithelium, in the basal layer of squamous epithelium, and in smooth muscle, skeletal muscle, and hepatocytes. Abundantly expressed in fetal lung and lung cancers.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the integrin alpha chain family. Contains 7 FG-GAP repeats.
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	ITGA9 integrin, alpha 9 [Homo sapiens (human)]
Official Symbol	ITGA9
Synonyms	ITGA9; integrin, alpha 9; RLC; ITGA4L; ALPHA-RLC; integrin alpha-9; integrin alpha-RLC;
Entrez Gene ID	3680

mRNA Refseq	NM_002207.2
Protein Refseq	NP_002198.2
UniProt ID	Q13797
Chromosome Location	3p21.3
Pathway	Arrhythmogenic right ventricular cardiomyopathy, organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Axon guidance, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Developmental Biology, organism-specific biosystem; Dilated cardiomyopathy, organism-specific biosyste
Function	collagen binding; laminin binding; metal ion binding;