



# Human ITGA2B peptide (DAG-P0307)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	ITGA2B encodes integrin alpha chain 2b. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. Alpha chain 2b undergoes post-translational cleavage to yield disulfide-linked light and heavy chains that join with beta 3 to form a fibronectin receptor expressed in platelets that plays a crucial role in coagulation. Mutations that interfere with this role result in thrombasthenia. In addition to adhesion, integrins are known to participate in cell-surface mediated signalling. [provided by RefSeq, Jul 2008]
<b>Specificity</b>	Isoform 1 and isoform 2 were identified in platelets and megakaryocytes, but not in reticulocytes or in Jurkat and U937 white blood cell line. Isoform 3 is expressed by leukemia, prostate adenocarcinoma and melanoma cells but not by platelets or normal pr
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the integrin alpha chain family.Contains 7 FG-GAP repeats.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	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

<b>Gene Name</b>	<a href="#">ITGA2B integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41) [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	ITGA2B

<b>Synonyms</b>	ITGA2B; integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41); GT; GTA; CD41; GP2B; HPA3; CD41B; GPIIb; BDPLT2; BDPLT16; integrin alpha-IIb; GPalpha IIb; platelet-specific antigen BAK; platelet membrane glycoprotein IIb; platelet fibrinogen receptor, alpha subunit;
<b>Entrez Gene ID</b>	<a href="#">3674</a>
<b>mRNA Refseq</b>	<a href="#">NM_000419.3</a>
<b>Protein Refseq</b>	<a href="#">NP_000410.2</a>
<b>UniProt ID</b>	P08514
<b>Chromosome Location</b>	17q21.32
<b>Pathway</b>	Arf6 signaling events, organism-specific biosystem; 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; Developmental Biology, organism-specific biosystem; Dilated cardiomyopathy, organism-specific biosystem; Dilated cardiomyopathy, conserved biosystem; ECM proteoglyc
<b>Function</b>	extracellular matrix binding; fibrinogen binding; identical protein binding; metal ion binding; protein binding;