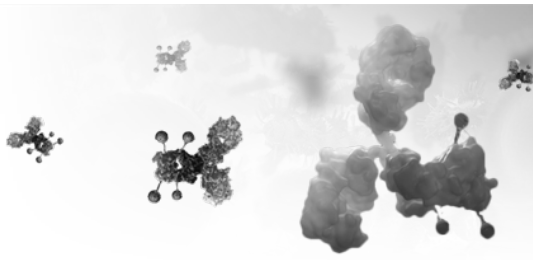

Human PAX5 peptide (DAG-P0011)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the paired box (PAX) family of transcription factors. The central feature of this gene family is a novel, highly conserved DNA-binding motif, known as the paired box. Paired box transcription factors are important regulators in early development, and alterations in the expression of their genes are thought to contribute to neoplastic transformation. This gene encodes the B-cell lineage specific activator protein that is expressed at early, but not late stages of B-cell differentiation. Its expression has also been detected in developing CNS and testis and so the encoded protein may also play a role in neural development and spermatogenesis. This gene is located at 9p13, which is involved in t(9;14)(p13;q32) translocations recurring in small lymphocytic lymphomas of the plasmacytoid subtype, and in derived large-cell lymphomas. This translocation brings the potent E-mu enhancer of the IgH gene into close proximity of the PAX5 promoter, suggesting that the deregulation of transcription of this gene contributes to the pathogenesis of these lymphomas. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013]
Conjugate	Unconjugated
Sequence Similarities	Contains 1 paired 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	PAX5 paired box 5 [Homo sapiens (human)]
Official Symbol	PAX5

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Synonyms	PAX5; paired box 5; ALL3; BSAP; paired box protein Pax-5; paired domain gene 5; paired box homeotic gene 5; transcription factor PAX 5; B-cell lineage specific activator;
Entrez Gene ID	5079
mRNA Refseq	NM_001280547.1
Protein Refseq	NP_001267476.1
UniProt ID	Q02548
Chromosome Location	9p13
Pathway	C-MYB transcription factor network, organism-specific biosystem; Id Signaling Pathway, organism-specific biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;
Function	DNA binding; sequence-specific DNA binding transcription factor activity;

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