



Human PAX5 blocking peptide (CDBP2207)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-PAX5/BSAP antibody
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]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	PAX5 paired box 5 [Homo sapiens]
Official Symbol	PAX5
Synonyms	PAX5; paired box 5; paired box gene 5 (B cell lineage specific activator protein) , paired box gene 5 (B cell lineage specific activator); paired box protein Pax-5; B cell lineage specific activator; BSAP; paired box homeotic gene 5; transcription factor PAX 5; B cell specific activator protein; B-cell lineage specific activator; B-cell-specific transcription factor;
Entrez Gene ID	5079
mRNA Refseq	NM_016734
Protein Refseq	NP_057953
UniProt ID	Q02548
Chromosome Location	9p13.2
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;