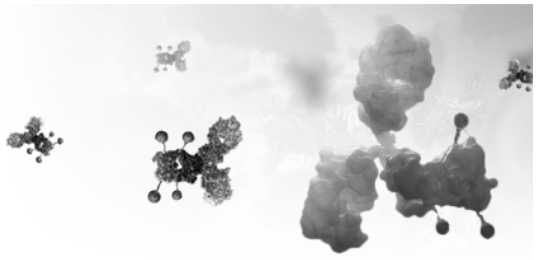

Human PRDM2 blocking peptide (DAG-P1126)

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

PRODUCT INFORMATION

Antigen Description	This tumor suppressor gene is a member of a nuclear histone/protein methyltransferase superfamily. It encodes a zinc finger protein that can bind to retinoblastoma protein, estrogen receptor, and the TPA-responsive element (MTE) of the heme-oxygenase-1 gene. Although the functions of this protein have not been fully characterized, it may (1) play a role in transcriptional regulation during neuronal differentiation and pathogenesis of retinoblastoma, (2) act as a transcriptional activator of the heme-oxygenase-1 gene, and (3) be a specific effector of estrogen action. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]
Specificity	Highly expressed in retinoblastoma cell lines and in brain tumors. Also expressed in a number of other cell lines and in brain, heart, skeletal muscle, liver and spleen. Isoform 1 is expressed in testis at much higher level than isoform 3.
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Contains 8 C2H2-type zinc fingers.Contains 1 SET 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	PRDM2 PR domain containing 2, with ZNF domain [Homo sapiens (human)]
Official Symbol	PRDM2

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Synonyms	PRDM2; PR domain containing 2, with ZNF domain; RIZ; KMT8; RIZ1; RIZ2; MTB-ZF; HUMHOXY1; PR domain zinc finger protein 2; MTE-binding protein; zinc finger protein RIZ; GATA-3 binding protein G3B; GATA-3-binding protein G3B; lysine N-methyltransferase 8; PR domain-containing protein 2; zinc-finger DNA-binding protein; retinoblastoma protein-binding zinc finger protein; retinoblastoma protein-interacting zinc finger protein;
Entrez Gene ID	7799
mRNA Refseq	NM_001007257.2
Protein Refseq	NP_001007258.1
UniProt ID	Q13029
Chromosome Location	1p36.21
Function	DNA binding; histone-lysine N-methyltransferase activity; sequence-specific DNA binding transcription factor activity; zinc ion binding;

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