



Human SP100 peptide (DAG-P1198)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a subnuclear organelle and major component of the PML (promyelocytic leukemia)-SP100 nuclear bodies. PML and SP100 are covalently modified by the SUMO-1 modifier, which is considered crucial to nuclear body interactions. The encoded protein binds heterochromatin proteins and is thought to play a role in tumorigenesis, immunity, and gene regulation. Alternatively spliced variants have been identified for this gene; one of which encodes a high-mobility group protein. [provided by RefSeq, Aug 2011]
Specificity	Widely expressed. Sp100-B is expressed only in spleen, tonsil, thymus, mature B-cell line and some T-cell line, but not in brain, liver, muscle or non-lymphoid cell lines.
Conjugate	Unconjugated
Sequence Similarities	Contains 2 HMG box DNA-binding domains.Contains 1 HSR domain.Contains 1 SAND 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	SP100 SP100 nuclear antigen [Homo sapiens (human)]
Official Symbol	SP100
Synonyms	SP100; SP100 nuclear antigen; lysp100b; nuclear autoantigen Sp-100; speckled 100 kDa; SP100-HMG nuclear autoantigen; nuclear dot-associated Sp100 protein;
Entrez Gene ID	6672

mRNA Refseq	NM_001080391.1
Protein Refseq	NP_001073860.1
UniProt ID	P23497
Chromosome Location	2q37.1
Pathway	Cytokine Signaling in Immune system, organism-specific biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem; Immune System, organism-specific biosystem; Interferon Signaling, organism-specific biosystem; Interferon gamma signaling, organism-specific biosystem; Viral carcinogenesis, organism-specific biosystem; Viral carcinogenesis, conserved biosystem;
Function	DNA binding; chromo shadow domain binding; identical protein binding; kinase binding; protein binding; protein domain specific binding; protein homodimerization activity; transcription coactivator activity; transcription corepressor activity; transcriptio