



Human TARDBP peptide (DAG-P1182)

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

PRODUCT INFORMATION

Antigen Description	HIV-1, the causative agent of acquired immunodeficiency syndrome (AIDS), contains an RNA genome that produces a chromosomally integrated DNA during the replicative cycle. Activation of HIV-1 gene expression by the transactivator Tat is dependent on an RNA regulatory element (TAR) located downstream of the transcription initiation site. The protein encoded by this gene is a transcriptional repressor that binds to chromosomally integrated TAR DNA and represses HIV-1 transcription. In addition, this protein regulates alternate splicing of the CFTR gene. A similar pseudogene is present on chromosome 20. [provided by RefSeq, Jul 2008]
Specificity	Ubiquitously expressed. In particular, expression is high in pancreas, placenta, lung, genital tract and spleen.
Conjugate	Unconjugated
Sequence Similarities	Contains 2 RRM (RNA recognition motif) domains.
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	TARDBP TAR DNA binding protein [Homo sapiens (human)]
Official Symbol	TARDBP
Synonyms	TARDBP; TAR DNA binding protein; ALS10; TDP-43; TAR DNA-binding protein 43; TAR DNA-binding protein-43;

Entrez Gene ID	23435
mRNA Refseq	NM_007375.3
Protein Refseq	NP_031401.1
UniProt ID	Q13148
Chromosome Location	1p36.22
Function	RNA binding; double-stranded DNA binding; identical protein binding; mRNA 3-UTR binding; nucleotide binding; poly(A) RNA binding; protein binding; sequence-specific DNA binding transcription factor activity;