



Human SART1 blocking peptide (CDBP2605)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-SART1 antibody
Antigen Description	This gene encodes two proteins, the SART1(800) protein expressed in the nucleus of the majority of proliferating cells, and the SART1(259) protein expressed in the cytosol of epithelial cancers. The SART1(259) protein is translated by the mechanism of -1 frameshifting during posttranscriptional regulation; its full-length sequence is not published yet. The two encoded proteins are thought to be involved in the regulation of proliferation. Both proteins have tumor-rejection antigens. The SART1(259) protein possesses tumor epitopes capable of inducing HLA-A2402-restricted cytotoxic T lymphocytes in cancer patients. This SART1(259) antigen may be useful in specific immunotherapy for cancer patients and may serve as a paradigmatic tool for the diagnosis and treatment of patients with atopy. The SART1(259) protein is found to be essential for the recruitment of the tri-snRNP to the pre-spliceosome in the spliceosome assembly pathway. [provided by RefSeq, Jul 2008]
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	SART1 squamous cell carcinoma antigen recognized by T cells [Homo sapiens]
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Official Symbol	SART1
Synonyms	SART1; squamous cell carcinoma antigen recognized; squamous cell carcinoma antigen recognised by T cells; U4/U6.U5 tri-snRNP-associated protein 1; Ara1; small nuclear ribonucleoprotein 110kDa (U4/U6.U5); SNRNP110; Snu66; SART-1; hSnu66; hSART-1; SNU66 homolog; IgE autoantigen; SART1(259) protein; SART1(800) protein; U4/U6.U5 tri-snRNP-associated 110 kDa protein; squamous cell carcinoma antigen recognized by T cells 1; squamous cell carcinoma antigen recognized by T-cells 1; HOMS1; SART1259; MGC2038;
Entrez Gene ID	9092
mRNA Refseq	NM_005146
Protein Refseq	NP_005137
UniProt ID	O43290
Chromosome Location	11q13.1
Pathway	Spliceosome, organism-specific biosystem; Spliceosome, conserved biosystem; Spliceosome, U4/U6.U5 tri-snRNP, organism-specific biosystem;
Function	molecular_function; protein binding;
