



Human CD82 peptide (DAG-P1455)

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

PRODUCT INFORMATION

Antigen Description	This metastasis suppressor gene product is a membrane glycoprotein that is a member of the transmembrane 4 superfamily. Expression of this gene has been shown to be downregulated in tumor progression of human cancers and can be activated by p53 through a consensus binding sequence in the promoter. Its expression and that of p53 are strongly correlated, and the loss of expression of these two proteins is associated with poor survival for prostate cancer patients. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Specificity	Lymphoid specific.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the tetraspanin (TM4SF) family.
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	CD82 CD82 molecule [Homo sapiens (human)]
Official Symbol	CD82
Synonyms	CD82; CD82 molecule; R2; 4F9; C33; IA4; ST6; GR15; KAI1; SAR2; TSPAN27; CD82 antigen; tspan-27; C33 antigen; tetraspanin-27; inducible membrane protein R2; metastasis suppressor

Kangai-1; kangai 1 (suppression of tumorigenicity 6, prostate; CD82 antigen (R2 leukocyte antigen, antigen detected by monoclonal and antibody IA4));

Entrez Gene ID	3732
mRNA Refseq	NM_001024844.1
Protein Refseq	NP_001020015.1
UniProt ID	P27701
Chromosome Location	11p11.2
Pathway	Direct p53 effectors, organism-specific biosystem; Integrated Pancreatic Cancer Pathway, organism-specific biosystem; p53 signaling pathway, organism-specific biosystem; p53 signaling pathway, conserved biosystem;
Function	protein binding;