CD82 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD82, Monoclonal Antibody
Full Product Name	CD82 (CD82 Antigen, C33 Antigen, IA4, Inducible Membrane Protein R2, Metastasis Suppressor Kangai-1, Suppressor of Tumorigenicity 6 Protein, Te
Product Gene Name	anti-CD82 antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	4F2
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human CD82.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Molecular Weight	26,818 Da
Immunogen	Full length recombinant corresponding to aa1-267 from CD82 (AAH00726) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MGSACIKVTKYFLFLFNLIFFILGAVILGFGVWILADKSSFISVLQTSSSSLRMGAYVFIGVGAVTMLMGFLGCIGAVNEVRCLLGLYFAFLLLILIAQVTAGALF
Conjugate	MaxLight750
Product Categories/Family for anti-CD82 antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-CD82 antibody	FLISA
Application Notes for anti-CD82 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CD82 antibody	CD82 is a 45-90 kD type III tetraspan membrane protein which is encoded by the KAI1 gene. A member of the 4-span transmembrane protein superfar adhesion. It has been suggested CD82 functions as a tumor suppressor as loss of expression has been found to promote tumor metastasis.
Other Notes	Small volumes of anti-CD82 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa

Searchable Terms for CD82 purchase	MBS6232038 is an antibody targeting CD82. Also known as CD82 (CD82 Antigen, C33 Antigen, IA4, Inducible Membrane Protein R2, Metastasis Supp

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD82. It may not necessarily be applicable to this product.

NCBI GI #	33875790
NCBI GeneID	3732
NCBI Accession #	BC000726
NCBI Related Accession #	AAH00726
UniProt Secondary Accession #	Q7Z2D4; Q7Z5N2; D3DQN6; E9PC70
UniProt Related Accession #	P27701
NCBI Official Full Name	Homo sapiens CD82 molecule, mRNA
NCBI Official Synonym Full Names	CD82 molecule
NCBI Official Symbol	CD82
NCBI Official Synonym Symbols	R2; 4F9; C33; IA4; ST6; GR15; KAI1; SAR2; TSPAN27
Protein Family	CD82 antigen
NCBI Protein Information	CD82 antigen
NCBI Summary for CD82	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]
Research Articles on CD82	**1.** KAI1 was able to suppress melanoma angiogenesis by downregulating IL-6 and VEGF expression.
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