CD93 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD93, Monoclonal Antibody
Full Product Name	CD93 (C1QR1, C1qRP, CDw93, ECSM3, MXRA4, C1qR(P), dJ737E23.1, Complement Component C1Q Receptor, C1q/MBL/SPA Receptor, Complen 1 q Subcomponent Receptor 1, Matrix-remodeling-associated Protein 4) (MaxLight 750)
Product Gene Name	anti-CD93 antibody
Clonality	Monoclonal
Isotype	IgG3, lambda
Clone Number	3D12
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 C1QR1.
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 immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of produc original vial prior to removing the cap.
OMIM	120577
3D Structure	ModBase 3D Structure for Q9NPY3
Immunogen	Partial recombinant corresponding to aa33-141 from C1QR1 (NP_036204) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	GTACYTAHSGKLSAAEAQNHCNQNGGNLATVKSKEEAQHVQRVLAQLLRREAALTARMSKFWIGLQREKGKCLDPSLPLKGFSWVGGGEDTPYSNWH
Conjugate	MaxLight750
Product Categories/Family for anti-CD93 antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-CD93 antibody	FLISA, Western Blot (WB)
Application Notes for anti-CD93 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CD93 antibody	CD93 is a 110kD O-sialoglycoprotein, known as complement C1q receptor, C1qR1, C1qRp (C1q receptor precursor), or GR11. It is expression on mon granulocytes, platelets, and endothelial cells. CD93 regulates phagocytosis of apoptosis cells, and leukocyte-endothelial cell adhesion.

Other Notes	Small volumes of anti-CD93 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional apply.
Searchable Terms for CD93 purchase	MBS6232046 is an antibody targeting CD93. Also known as CD93 (C1QR1, C1qRP, CDw93, ECSM3, MXRA4, C1qR(P), dJ737E23.1, Complement C Receptor, C1q/MBL/SPA Receptor, Complement Component 1 q Subcomponent Receptor 1, Matrix-remodeling-associated Protein 4) (MaxLight 750). Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD93. It may not necessarily be applicable to this product.

NCBI GI #	1519312210
NCBI GeneID	22918
NCBI Accession #	NM_012072.4
UniProt Primary Accession #	Q9NPY3
UniProt Related Accession #	Q9NPY3
GenBank Nucleotide #	NM_012072
NCBI Official Full Name	Homo sapiens CD93 molecule (CD93), mRNA
NCBI Official Synonym Full Names	CD93 molecule
NCBI Official Symbol	CD93
NCBI Official Synonym Symbols	C1QR1; C1qRP; CDw93; ECSM3; MXRA4; C1qR(P); dJ737E23.1
UniProt Protein Name	Complement component C1q receptor
UniProt Synonym Protein Names	C1q/MBL/SPA receptor; C1qR; C1qR(p); C1qRp; CDw93; Complement component 1 q subcomponent receptor 1; Matrix-remodeling-associated protein 4
Protein Family	Complement component C1q receptor
UniProt Gene Name	CD93
UniProt Synonym Gene Names	C1QR1; MXRA4; C1qR; C1qR(p); C1qRp
UniProt Entry Name	C1QR1_HUMAN
NCBI Protein Information	complement component C1q receptor
NCBI Summary for CD93	The protein encoded by this gene is a cell-surface glycoprotein and type I membrane protein that was originally identified as a myeloid cell-specific marker. The encoded protein was once thought to be a receptor for C1q, but now is thought to instead be involved in intercellular adhesion and in the clearance of apoptotic cells. The intracellular cytoplasmic tail of this protein has been found to interact with moesin, a protein known to play a role in linking transmembrane proteins to the cytoskeleton and in the remodelling of the cytoskeleton. [provided by RefSeq, Jul 2008]
Research Articles on CD93	**1.** CD93 may act as a receptor at plasma membrane for bacterial DNA or CpG oligonucleotide and to grant delivery to endosomal TLR9.
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