CDS1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CDS1, Monoclonal Antibody
Full Product Name	CDS1 (Phosphatidate Cytidylyltransferase 1, CDP-DAG Synthase 1, CDP-DG Synthase 1, CDP-diacylglycerol Synthase 1, CDS 1, CDP-diglyceride Pyrophosphorylase 1, CDP-diglyceride Synthase 1, CTP:phosphatidate Cytidylyltransferase 1, CDS) (MaxLight 750)
Product Gene Name	anti-CDS1 antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2D10
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 CDS1.
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 amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	53,304 Da
OMIM	603548
3D Structure	ModBase 3D Structure for B2RAL5
Immunogen	Partial recombinant corresponding to aa1-98 from human CDS1 (NP_001254) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MLELRHRGSCPGPREAVSPPHREGEAAGGDHETESTSDKETDIDDRYGDLDSRTDSDIPEIPPSSDRTPEILKKALSGLSSRWKNWWIRGILTLTMIS
Conjugate	MaxLight750
Product Categories/Family for anti-CDS1 antibody	Antibodies; Enzymes; Synthase
Applications Tested/Suitable for anti-CDS1 antibody	FLISA, Immunofluorescence (IF), Western Blot (WB)
Application Notes for anti-CDS1 antibody	IF: 10ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-CDS1 antibody	MBS6232090 is an antibody targeting CDS1. Also known as CDS1 (Phosphatidate Cytidylyltransferase 1, CDP-DAG Synthase 1, CDP-DG Synthase 1, CDP-diacylglycerol Synthase 1, CDS 1, CDP-diglyceride Pyrophosphorylase 1, CDP-diglyceride Synthase 1, CTP:phosphatidate Cytidylyltransferase 1, CDS) (MaxLight 750). Reactive in Human. Host: Mouse.

Other Notes	Small volumes of anti-CDS1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly 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 dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDS1. It may not necessarily be applicable to this product.

NCBI GI #	22035624
NCBI GeneID	1040
NCBI Accession #	NP_001254
UniProt Primary Accession #	B2RAL5
UniProt Secondary Accession #	O00163; B2RAL5
UniProt Related Accession #	Q92903
GenBank Nucleotide #	NM_001263
NCBI Official Full Name	phosphatidate cytidylyltransferase 1
NCBI Official Synonym Full Names	CDP-diacylglycerol synthase (phosphatidate cytidylyltransferase) 1
NCBI Official Symbol	CDS1
NCBI Official Synonym Symbols	CDS
UniProt Protein Name	Phosphatidate cytidylyltransferase 1
UniProt Synonym Protein Names	CDP-DAG synthase 1; CDP-DG synthase 1; CDP-diacylglycerol synthase 1; CDS 1; CDP-diglyceride pyrophosphorylase 1; CDP-diglyceride synthase 1; CTP:phosphatidate cytidylyltransferase 1
Protein Family	Phosphatidate cytidylyltransferase
UniProt Gene Name	CDS1
UniProt Synonym Gene Names	CDS; CDS 1
UniProt Entry Name	CDS1_HUMAN
NCBI Protein Information	phosphatidate cytidylyltransferase 1; CDP-DAG synthase 1; CDP-DG synthase 1; CDP-DG synthetase 1; CDP-diacylglycerol synthase 1; CDP-diglyceride pyrophosphorylase 1; CDP-diglyceride synthase 1; CDP-diglyceride synthetase 1; CDS 1; CTP:phosphatidate cytidy
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