LASS4 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	LASS4, Monoclonal Antibody
Full Product Name	LASS4 (LAG1 Homolog, Ceramide Synthase 4, CerS4, FLJ12089, Trh1) (MaxLight 750)
Product Gene Name	anti-LASS4 antibody
Product Synonym Names	LAG1 Homolog; Ceramide Synthase 4; CerS4; FLJ12089; Trh1
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	7D1
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified
Specificity	Recognizes LASS4.
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	46kDa
3D Structure	ModBase 3D Structure for Q9HA82
Immunogen	LASS4 (NP_078828, 57aa-139aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	ERFIGLPLSRWLGVRDQTRRQVKPNATLEKHFLTEGHRPKEPQLSLLAAQCGLTLQQTQRWFRRRRNQDRPQLTKKFCEASWR
Conjugate	MaxLight750
Product Categories/Family for anti-LASS4 antibody	Antibodies; Enzymes; Synthase
Applications Tested/Suitable for anti-LASS4 antibody	Western Blot (WB)
Application Notes for anti-LASS4 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-LASS4 antibody	MBS6239138 is an antibody targeting LASS4. Also known as LASS4 (LAG1 Homolog, Ceramide Synthase 4, CerS4, FLJ12089, Trh1) (MaxLight 750). Host: Mouse. Mouse monoclonal antibody raised against a partial recombinant LASS4.
Other Notes	Small volumes of anti-LASS4 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 LASS4. It may not necessarily be applicable to this product.

NCBI GI #	205360977
NCBI GeneID	79603

NCBI Accession #	NP_078828
UniProt Primary Accession #	Q9HA82
UniProt Related Accession #	Q9HA82
GenBank Nucleotide #	NM_024552
NCBI Official Full Name	ceramide synthase 4
NCBI Official Synonym Full Names	ceramide synthase 4
NCBI Official Symbol	CERS4
NCBI Official Synonym Symbols	Trh1; LASS4
UniProt Protein Name	Ceramide synthase 4
UniProt Synonym Protein Names	LAG1 longevity assurance homolog 4
UniProt Gene Name	CERS4
UniProt Synonym Gene Names	LASS4; CerS4
UniProt Entry Name	CERS4_HUMAN
NCBI Protein Information	ceramide synthase 4
UniProt Comments for LASS4	Lass4: May be either a bona fide (dihydro)ceramide synthase or a modulator of its activity. When overexpressed in cells is involved in the production of sphingolipids containing different fatty acid donors (N-linked stearoyl- (C18) or arachidoyl- (C20) ceramides) in a fumonisin B1-independent manner. Protein type: Membrane protein, multi-pass; DNA-binding; Membrane protein, integral Chromosomal Location of Human Ortholog: 19p13.2 Cellular Component: endoplasmic reticulum membrane; nuclear membrane; endoplasmic reticulum; integral to membrane Molecular Function: DNA binding; sphingosine N-acyltransferase activity Biological Process: sphingolipid metabolic process; sphingolipid biosynthetic process; ceramide biosynthetic process
Research Articles on LASS4	**1.** nine SNPs in the ceramide synthase 4 (CERS4) region were associated with circulating C23:0 levels (adjusted P<5x10-2)
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