S1PR5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	S1PR5, Polyclonal Antibody
Full Product Name	S1PR5, ID (S1PR5, EDG8, Sphingosine 1-phosphate receptor 5, Endothelial differentiation G-protein-coupled receptor 8, Sphingosine 1-phosphate receptor Edg-8) (MaxLight 490)
Product Gene Name	anti-S1PR5 antibody
Product Synonym Names	S1PR5; EDG8; Sphingosine 1-phosphate receptor 5; Endothelial differentiation G-protein-coupled receptor 8; Sphingosine 1-phosphate receptor Edg-8
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
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: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	32,279 Da
OMIM	605146
3D Structure	ModBase 3D Structure for Q9H228
Immunogen	S1PR5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 218-247 amino acids from the Central region of human S1PR5.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-S1PR5 antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-S1PR5 antibody	Western Blot (WB), FLISA
Application Notes for anti-S1PR5 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-S1PR5 antibody	The lysosphingolipid sphingosine 1-phosphate (S1P) regulates cell proliferation, apoptosis, motility, and neurite retraction. Its actions may be both intracellular as a second messenger and extracellular as a receptor ligand. S1P and the structurally related lysolipid mediator lysophosphatidic acid (LPA) signal cells through a set of G protein-coupled receptors known as EDG receptors. Some EDG receptors (e.g., EDG1; MIM 601974) are S1P receptors; others (e.g., EDG2; MIM 602282) are LPA receptors.
Product References and Citations for anti-S1PR5 antibody	Chang, C.L., et al. Am. J. Physiol., Cell Physiol. 297 (2), C451-C458 (2009): Gillies, L., et al. Cell. Signal. 21(5):675-684(2009). Miron, V.E., et al. Ann. Neurol. 63(1):61-71(2008). Ulfig, N., et al. Acta Histochem. 106(5):373-378(2004). Vogler, R., et al. J. Invest. Dermatol. 120(4):693-700(2003).

Other Notes	Small volumes of anti-S1PR5 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.
Searchable Terms for S1PR5 purchase	MBS6344717 is an antibody targeting S1PR5. Also known as S1PR5, ID (S1PR5, EDG8, Sphingosine 1-phosphate receptor 5, Endothelial differentiation G-protein-coupled receptor 8, Sphingosine 1-phosphate receptor Edg-8) (MaxLight 490). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for S1PR5. It may not necessarily be applicable to this product.

NCBI GI #	261278306
NCBI GeneID	53637
NCBI Accession #	NP_001159687.1
NCBI Related Accession #	NP_110387.1
UniProt Primary Accession #	Q9H228
UniProt Secondary Accession #	Q6NW11
UniProt Related Accession #	Q9H228
GenBank Nucleotide #	NM_001166215.1
NCBI Official Full Name	sphingosine 1-phosphate receptor 5
NCBI Official Synonym Full Names	sphingosine-1-phosphate receptor 5
NCBI Official Symbol	S1PR5
NCBI Official Synonym Symbols	EDG8; S1P5; Edg-8; SPPR-1; SPPR-2
UniProt Protein Name	Sphingosine 1-phosphate receptor 5
UniProt Synonym Protein Names	Endothelial differentiation G-protein-coupled receptor 8; Sphingosine 1-phosphate receptor Edg-8; S1P receptor Edg-8
Protein Family	Sphingosine 1-phosphate receptor
UniProt Gene Name	S1PR5
UniProt Synonym Gene Names	EDG8; S1P receptor 5; S1P5; S1P receptor Edg-8
UniProt Entry Name	S1PR5_HUMAN
NCBI Protein Information	sphingosine 1-phosphate receptor 5
UniProt Comments for S1PR5	EDG8: Receptor for the lysosphingolipid sphingosine 1- phosphate (S1P). S1P is a bioactive lysophospholipid that elicits diverse physiological effect on most types of cells and tissues. Is coupled to both the G(i/0)alpha and G(12) subclass of heteromeric G-proteins. May play a regulatory role in the transformation of radial glial cells into astrocytes and may affect proliferative activity of these cells. Belongs to the G-protein coupled receptor 1 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Receptor, GPCR; GPCR, family 1; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 19p13.2 Cellular Component: integral to membrane; plasma membrane Biological Process: regulation of neuron differentiation
Research Articles on S1PR5	**1.** TGF-beta2 dependent upregulation of S1P5 is required for the induction of pro-fibrotic CTGF by TGF-beta in mesangial cells.

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