EDG6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EDG6, Polyclonal Antibody
Full Product Name	EDG6, NT (S1PR4, EDG6, Sphingosine 1-phosphate receptor 4, Endothelial differentiation G-protein coupled receptor 6, Sphingosine 1-phosphate receptor Edg-6) (MaxLight 750)
Product Gene Name	anti-EDG6 antibody
Product Synonym Gene Name	S1PR4
Product Synonym Names	S1PR4; EDG6; Sphingosine 1-phosphate receptor 4; Endothelial differentiation G-protein coupled receptor 6; Sphingosine 1-phosphate receptor Edg-6
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
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 EDG6. Species crossreactivity: mouse
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	41 kDa
OMIM	603751
3D Structure	ModBase 3D Structure for O95977
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 8-37 in the N-terminal region of human EDG6, UniProt Accession #Q95977.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-EDG6 antibody	Antibodies; G Protein Receptors
Applications Tested/Suitable for anti-EDG6 antibody	Western Blot (WB), FLISA
Application Notes for anti-EDG6 antibody	WB: 1:1000 Applications are based on unconjugated antibody.
Related Product Information for anti-EDG6 antibody	MBS6294377 is an antibody targeting EDG6. Also known as EDG6, NT (S1PR4, EDG6, Sphingosine 1-phosphate receptor 4, Endothelial differentiation G-protein coupled receptor 6, Sphingosine 1-phosphate receptor Edg-6) (MaxLight 750). Reactive in Human, Mouse. Host: Rabbit.
Product References and Citations for anti-EDG6 antibody	Contos, J.J., et al., FEBS Lett. 531(1):99-102 (2002). Yamazaki, Y., et al., Biochem. Biophys. Res. Commun. 268(2):583-589 (2000). Graler, M.H., et al., Genomics 53(2):164-169 (1998).

Other Notes	Small volumes of anti-EDG6 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 EDG6. It may not necessarily be applicable to this product.

NCBI GI #	42558945
NCBI GeneID	8698
NCBI Accession #	NP_003766
UniProt Primary Accession #	O95977
UniProt Secondary Accession #	D6W612
UniProt Related Accession #	O95977
NCBI Official Full Name	Sphingosine 1-phosphate receptor 4
NCBI Official Synonym Full Names	sphingosine-1-phosphate receptor 4
NCBI Official Symbol	S1PR4
NCBI Official Synonym Symbols	EDG6; LPC1; S1P4; SLP4
UniProt Protein Name	Sphingosine 1-phosphate receptor 4
UniProt Synonym Protein Names	Endothelial differentiation G-protein coupled receptor 6; Sphingosine 1-phosphate receptor Edg-6
UniProt Gene Name	S1PR4
UniProt Synonym Gene Names	EDG6; S1P receptor 4; S1P4
UniProt Entry Name	S1PR4_HUMAN
NCBI Protein Information	sphingosine 1-phosphate receptor 4; S1P receptor 4; S1P receptor Edg-6; endothelial differentiation G-protein coupled receptor 6; endothelial differentiation, G protein coupled receptor 6; endothelial differentiation, G-protein-coupled receptor 6; endothe
NCBI Summary for EDG6	This gene is a member of the endothelial differentiation, G-protein-coupled (EDG)) receptor gene family. EDG receptors bind lysophospholipids or lysosphingolipids as ligands, and are involved in cell signalling in many different cell types. This EDG receptor gene is intronless and is specifically expressed in the lymphoid tissue. [provided by RefSeq, Jul 2008]
UniProt Comments for EDG6	S1PR4: 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. May be involved in cell migration processes that are specific for lymphocytes. Belongs to the G-protein coupled receptor 1 family. Protein type: Receptor, GPCR; Membrane protein, multi-pass; GPCR, family 1; Membrane protein, integral Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: integral to plasma membrane; plasma membrane Molecular Function: G-protein coupled receptor activity; lipid binding Biological Process: G-protein coupled receptor protein signaling pathway; elevation of cytosolic calcium ion concentration; phospholipase C activation; immune response; G-protein signaling, adenylate cyclase activating pathway
Research Articles on EDG6	**1.** S1P2 translocation to the nucleus is regulated by an autocrine loop involving S1P and S1P4. In contrast, the translocation of Y416 phosphorylated c-Src to the nucleus appears to be regulated by a mechanism that does not involve S1P3 or S1P4.

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