

Product datasheet for **AM05330FC-N**

EDG6 (S1P4) Mouse Monoclonal Antibody [Clone ID: 1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1
Applications:	FC, WB
Recommended Dilution:	Western Blot. Flow Cytometry: Use 1 µg/10e6 cells. NOTE: Epitope for the antibody is the C-terminal of the EDG6 protein. The C-terminal is an intracellular region and cells need to be permeablized prior to staining with antibody.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Hybridoma produced by the fusion of splenocytes from mice immunized with Unique synthetic peptide derived from the C-terminal of the EDG6 (S1P4) protein and mouse myeloma cells.
Specificity:	Recognizes EDG-6/S1P4 (C-term).
Formulation:	PBS containing containing 1% BSA as stabilizer and 0.1% antimycotic as a preservative Label: FITC State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: One year from despatch.
Gene Name:	sphingosine-1-phosphate receptor 4
Database Link:	Entrez Gene 8698 Human O95977



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Background:

EDG6 (S1P4) belongs to a family of G-protein coupled receptors whose ligands are lysophospholipids. The ligand for EDG6 (S1P4) is sphingosine-1-phosphate. There are 8 known members of the EDG receptor family and they are implicated in mediating growth related effects such as induction of cellular proliferation, alterations in differentiation and survival and suppression of apoptosis. They also evoke cellular effector functions that are dependent on cytoskeletal responses such as contraction, secretion, adhesion and chemotaxis. EDG receptors are developmentally regulated and differ in tissue distribution. They couple to multiple types of G proteins to signal through ras and MAP kinase, rho, phospholipase C and several protein tyrosine kinases. EDG6 (S1P4) is expressed in lymphoid and hematopoietic tissue and in the lungs. Recently, the designation of the EDG receptors has been modified to include the ligand for the receptor. Thus, the new designation for the EDG6 (S1P4) receptor is the sphingosine 1-phosphate receptor-4 (S1P4).

Synonyms:

EDG-6