

## EDG1 Conjugated Antibody

Catalog No: #C49440



Package Size: #C49440-AF350 100ul #C49440-AF405 100ul #C49440-AF488 100ul

#C49440-AF555 100ul #C49440-AF594 100ul #C49440-AF647 100ul

#C49440-AF680 100ul #C49440-AF750 100ul #C49440-Biotin 100ul

Orders: order@signalwayantibody.com

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## Description

Product Name	EDG1 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CD363 antibody CHEDG 1 antibody CHEDG1 antibody D1S3362 antibody ECGF 1 antibody ECGF1 antibody EDG 1 antibody EDG1 antibody endothelial differentiation G protein coupled receptor 1 antibody Endothelial differentiation G-protein coupled receptor 1 antibody Endothelial differentiation sphingolipid G protein coupled receptor 1 antibody FLJ58121 antibody G protein coupled sphingolipid receptor antibody g protein-coupled receptor edg-1 antibody S1P receptor 1 antibody S1P receptor Edg 1 antibody S1P receptor Edg-1 antibody S1P receptor Edg1 antibody S1P(1) receptor antibody S1P1 antibody s1pr1 antibody S1PR1_HUMAN antibody sphingolipid g-protein-coupled receptor 1 antibody Sphingosine 1 phosphate receptor Edg 1 antibody Sphingosine 1 phosphate receptor EDG1 antibody sphingosine 1- phosphate receptor 1 antibody Sphingosine 1-phosphate receptor 1 antibody Sphingosine 1-phosphate receptor Edg-1 antibody Sphingosine 1phosphate receptor type 1 S1P1 antibody
Accession No.	Swiss-Prot#:P21453
Uniprot	P21453
GeneID	1901;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	43 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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## Background

The EDG (endothelial differentiation gene) family of G protein coupled receptors consists of eight family members that bind lysophospholipid (LPL) mediators, including sphingosine-1-phosphate (SPP) and lysophosphatidic acid (LPA). EDG-1, EDG-3, EDG-5 (also designated H218 and AGR16) and EDG-8 bind SPP with high affinity. EDG-6 is a low affinity receptor for SPP. LPA preferentially binds to EDG-2, EDG-4 and EDG-7. The EDG receptors couple to multiple G proteins to signal through Ras, MAP kinase, Rho, Phospholipase C or other tyrosine kinases, which lead to cell survival, growth, migration and differentiation. EDG-1 signals through Gi proteins to activate Akt and is expressed in glioma cells. EDG-2 is expressed in brain, especially in white matter tract regions, while EDG-3 is expressed in cardiovascular tissue and in cerebellum. EDG-4 is highly expressed on leukocytes and brain, and EDG-5 has wide tissue distribution, including cardiovascular tissue and brain. EDG-6, which is expressed in lymphoid and hematopoietic tissues and in lung, signals through G(i/o) proteins, which activate growth related pathways

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Note: This product is for in vitro research use only