bsm-52902R

[Primary Antibody]

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EDG1 Recombinant Rabbit mAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Recombinant

GenelD: 1901 SWISS: P21453

Target: EDG1

Immunogen: KLH conjugated synthetic peptide derived from human EDG1:

2-51/382.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: Sphingosine-1-phosphate receptor 1 (S1P receptor 1 or S1P1), also known as endothelial differentiation gene 1 (EDG1) is a protein that in humans is encoded by the S1PR1 gene. S1PR1 is a G-proteincoupled receptor which binds the bioactive signaling molecule sphingosine 1-phosphate (S1P). S1PR1 belongs to a sphingosine-1phosphate receptor subfamily comprising five members (S1PR1-5). S1PR1 was originally identified as an abundant transcript in endothelial cells and it has an important role in regulating endothelial cell cytoskeletal structure, migration, capillary-like network formation and vascular maturation. In addition, S1PR1 signaling is important in the regulation of lymphocyte maturation, migration and trafficking.

Applications: WB (1:500-2000)

Reactivity: Human, Mouse, Rat

Predicted MW.: 44 kDa

Subcellular Cell membrane