S1PR1 rabbit monoclonal antibody

Catalog # H00001901-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human S1PR1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human S1PR1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human S1PR1 peptide by ELISA and mammalian transfected lysate by W estern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — S1PR1

Entrez GeneID	1901
GeneBank Accession#	S1PR1
Gene Name	S1PR1
Gene Alias	CHEDG1, D1S3362, ECGF1, EDG-1, EDG1, FLJ58121, S1P1
Gene Description	sphingosine-1-phosphate receptor 1
Omim ID	601974
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is structurally similar to G protein-coupled receptors and is highly expressed in endothelial cells. It binds the ligand sphingosine-1-phosphate with high affinity and high specificity, and suggested to be involved in the processes that regulate the differentiation of endothelial cells. Activation of this receptor induces cell-cell adhesion. [provided by RefSeq
Other Designations	G protein-coupled sphingolipid receptor|OTTHUMP00000012525|endothelial differentiation, sphingolipid G-protein-coupled receptor, 1|sphingosine 1-phosphate receptor EDG1

Pathway

- Neuroactive ligand-receptor interaction

Disease

- Asthma
- Atherosclerosis
- Brain Ischemia
- Calcinosis
- Cardiovascular Diseases
- Coronary Artery Disease

- Coronary Disease
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Myocardial Infarction
- Stroke