抗S1P/鞘氨醇-1-磷酸参考抗体

Anti-S1P/Sphingosine-1-phosphate Reference Antibody

货号：RB9T37017287

在您使用本产品前请认真阅读说明书，这对您顺利完成实验很有帮助。

产品编码
RB9T37017287

中文名称
抗S1P/鞘氨醇-1-磷酸参考抗体

英文名称
Anti-S1P/Sphingosine-1-phosphate Reference Antibody

形态
Liquid

纯度
>95% purity as determined by SDS-PAGE.

内毒素水平
Please contact the lab for this information.

应用
ELISA, Bioactivity: FACS, Functional assay, Research in vivo

表达系统
Mammalian Cells

登录号
CAS: 1031360-18-5

宿主种属
Mouse

克隆性
Monoclonal

抗体亚型
IgG2a (Need Ca2+)

纯化方式
Protein A/G purified from cell culture supernatant.

浓度
1mg/ml

种属反应性
General

靶标

S1P, Sphingosine-1-phosphate

背景信息

Adenosine 3', 5'-cyclic monophosphate (cAMP) is a key second messenger molecule in intracellular signal transduction. Monitoring cAMP levels is one of the most common ways to screen for agonists and antagonists of G protein-coupled receptors(GPCRs). Bioyeargene cAMP ELISA Kit is based on the competition between HRP-labeled cAMP and free cAMP for fixed amounts of mouse monoclonal anti-cAMP antibody(cAMP MAb) binding sites. Because the concentration of the HRP-labeled cAMP is held constant while the concentration of cAMP varies, the amount of HRP-labeled cAMP that is able to bind to the cAMP MAb will be inversely proportional to the concentration of cAMP in the well. This antigen-antibody complex binds to the goat anti-mouse IgG that has been previously attached to the well. The plate is washed to remove any unbound reagents and then developed. The ELISA typically displays an IC50(50% B/B0) of approximately 12 pmol/mL and a detection limit of approximately 0.15 pmol/mL.

• Sphingosine 1-phosphate: Lipid signaling in pathology and therapy., PMID:31624181
• Sphingosine-1-phosphate (S1P) in ovarian physiology and disease., PMID:31455516
• Sphingosine-1-phosphate (S1P) receptors: Promising drug targets for treating bone-related diseases., PMID:32155312
• Pancreatic Acinar Cells-Derived Sphingosine-1-Phosphate Contributes to Fibrosis of Chronic Pancreatitis via Inducing Autophagy and Activation of Pancreatic Stellate Cells., PMID:37634735
• Significance of sphingosine-1-phosphate in cardiovascular physiology and pathology., PMID:32278039
• Sphingosine 1-Phosphate (S1P)/ S1P Receptor Signaling and Mechanotransduction: Implications for Intrinsic Tissue Repair/Regeneration., PMID:31703256
• Sphingosine 1-phosphate (S1P) receptor modulators as an induction and maintenance therapy for ulcerative colitis: a systematic review and meta-analysis of randomized controlled trials., PMID:38153524
• S1P (Sphingosine-1-Phosphate)-Induced Vasodilation in Human Resistance Arterioles During Health and Disease., PMID:36070401
• Sphingosine 1-phosphate (S1P) signalling: Role in bone biology and potential therapeutic target for bone repair., PMID:28855094
• Sphingosine 1-phosphate signalling., PMID:24346695

别名

LT1002

储存缓冲液

0.01M PBS, pH 7.4.

稳定性和储存

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Store at 4° C for short-term storage (1-2 weeks). Store at -20° C for up to 12 months. For long-term storage, store at -80° C.

For research use only. Not suitable for clinical or therapeutic use.