抗人SOST/Sclerostin参考抗体)

Anti-Human SOST/Sclerostin Reference Antibody

货号：RB9T37015174

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
RB9T37015174

中文名称
抗人SOST/Sclerostin参考抗体)

英文名称
Anti-Human SOST/Sclerostin 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
Q9BQB4

宿主种属
Humanized

克隆性
Monoclonal

抗体亚型
IgG4-kappa

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

浓度
1mg/ml

种属反应性
Human

靶标

SOST, Sclerostin

背景信息

Blosozumab is an IgG4-kappa type mouse monoclonal antibody optimized by humanization engineering with a molecular weight of 144.63 kDa. The monoclonal antibody was developed by Eli Lilly for the treatment of osteoporosis. Blosozumab can target and bind sclerostin (SOST) to play a biological role. In 2014, blosozumab was conducted a different doses of clinical trial about blosozumab was conducted to evaluate including drug safety, tolerance, pharmacokinetics and pharmacodynamics in postmenopausal women. The results showed that blosozumab had well tolerance and anabolic effect on bone, which could be used as a potential treatment for osteoporosis. In 2015, a randomized double-blind phase Ⅱ trial of blosozumab in postmenopausal women with low bone mineral density showed that blosozumab treatment resulted in a significant dose-dependent increase in bone mineral density, which further supports the conclusion that blosozumab is a potential anabolic therapy for osteoporosis. In September of the same year, women who had completed treatment were followed up to evaluate the effect of discontinuation of blosozumab. It was found that there were no adverse events related to the treatment one year after the cessation of treatment, and the anti-drug antibodies in the patients generally decreased.

- SOST/Sclerostin impairs the osteogenesis and angiogesis in glucocorticoid-associated osteonecrosis of femoral head., PMID:39342093
- SOST/sclerostin, an osteocyte-derived negative regulator of bone formation., PMID:15869900
- Suppression of Sost/Sclerostin and Dickkopf-1 Augment Intervertebral Disc Structure in Mice., PMID:35278242
- Sclerostin and Cardiovascular Disease., PMID:37490188
- SOST/Sclerostin Improves Posttraumatic Osteoarthritis and Inhibits MMP2/3 Expression After Injury., PMID:29377313
- Methylation of the Sclerostin *(SOST)* Gene in Serum Free DNA: A New Bone Biomarker, PMID:33372860
- Sclerostin: clinical insights in muscle-bone crosstalk., PMID:37632438
- The Effects of Sclerostin on the Immune System., PMID:31970653
- Sclerostin: from bench to bedside., PMID:33206222

别名

LY2541546, 1132758-87-2

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.