抗人CD27配体/TNFSF7/CD70参考抗体

Anti-Human CD27 Ligand/TNFSF7/CD70 Reference Antibody

货号：RB9T37014892

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
RB9T37014892

中文名称
抗人CD27配体/TNFSF7/CD70参考抗体

英文名称
Anti-Human CD27 Ligand/TNFSF7/CD70 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
P26842

宿主种属
Human

克隆性
Monoclonal

抗体亚型
IgG1-kappa

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

浓度
2mg/ml

种属反应性
Human

靶标

CD27L receptor, TNFRSF7, T14, CD27 antigen, Tumor necrosis factor receptor superfamily member 7, CD27, T-cell activation antigen CD27

背景信息

Varlilumab (CDX-1127), a human IgG1κ monoclonal antibody, targets CD27 receptor through reacting with the ligand binding site of CD27. CD27 is a member of the tumor necrosis factor receptor superfamily and expressed on unstimulated T lymphocytes, serving as a potent costimulatory molecule. It has been found that CD27 induces a series of T-cell reactions including T-cell activation, proliferation, survival, and maturation of effector capacity and T-cell memory together with its ligand CD70, which is transiently expressed on antigen-presenting cells. Besides, the interaction of CD27 and CD70 also stimulate B-cell proliferation, generation of plasma cells, production of immunoglobulin and B-cell memory, and induction of the cytolytic activity of natural killer (NK) cells. Moreover, CD27 is considered to function on tumor expansion and activation as it also expressed by regulatory T cells (Tregs), a cell that is associated with the suppression of antitumor immunity. The drug, developed by Celldex Therapeutics, is designed for immunotherapy for patients with solid tumors and hematologic malignancies. Varlilumab is currently conducted with two trails. One is the phase 1B clinical trial for advanced breast or ovarian cancer in combination with ONT-10. Another is the phase 1/2 trial for advanced refractory solid tumors together with anti-PD-1 nivolumab.

别名

1F5, CDX-1127, 1393344-72-3

产品描述

Varlilumab is a fully human monoclonal antibody (mAb) that targets CD27, a critical molecule in the activation pathway of lymphocytes. Like CD40, CD27 can be effectively manipulated with activating antibodies to induce potent anti-tumor responses, and may result in less toxicities due to its restricted expression and regulation. Varlilumab is a novel, first-in-class, agonist CD27 antibody that stimulates the CD27 pathway, which results in T-cell activation and anti-tumor activity in tumor models. This first-in-human, dose-escalation and expansion study evaluated the safety, pharmacology, and activity of varlilumab in patients with advanced solid tumors.

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.