抗人CD38参考抗体

Anti-Human CD38 Reference Antibody

货号：RB9T37017020

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
RB9T37017020

中文名称
抗人CD38参考抗体

英文名称
Anti-Human CD38 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
P28907

宿主种属
Humanized

克隆性
Monoclonal

抗体亚型
IgG1-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

Cyclic ADP-ribose hydrolase 1, ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1, cADPr hydrolase 1, 2'-phospho-ADP-ribosyl cyclase/2'-phospho-cyclic-ADP-ribose transferase, T10, 2'-phospho-cyclic-ADP

背景信息

Daratumumab is human IgG1 monoclonal antibody to CD38, which is a transmembrane glycoprotein that is frequently overexpressed on cancer cells including multiple myeloma cells. The monoclonal antibody binds to the CD38 molecule and triggers cell apoptosis, probably as a result of antibody mediated cytotoxicity. Daratumumab has been evaluated in heavily pretreated patients with refractory multiple myeloma and shown overall response rates of higher than expected. Daratumumab was given accelerated approval in the United States in 2015 for use in multiple myeloma. Current indications are as therapy of patients with refractory multiple myeloma in combination with lenalidomide (or bortezomib) and dexamethasone or as monotherapy in patients who have failed at least three previous regimens. Daratumumab is available as a solution for intravenous infusion in single use vials of 100 mg in 5 mL or 400 mg in 20 mL (20 mg/mL). The recommended dose is 16 mg/kg intravenously every week for 8 to 9 weeks, and then every 2, 3 or 4 weeks based upon indications and other agents being used. Premedication with methylprednisolone is recommended. Side effects are common and can include infusion reactions, bone marrow suppression, fatigue, nausea and vomiting, diarrhea, muscle spasms, back pain, fever, cough, dyspnea, peripheral edema, peripheral neuropathy and upper respiratory infection. Rare, but potentially serious side effects include severe infusion reactions, neutropenia, thrombocytopenia and interference with cross matching and red blood cell antibody screening.

• Rapid induction of CD38 antigen on myeloid leukemia cells by all trans-retinoic acid., PMID:7690555

• Activation markers on peripheral blood T cells from patients with active or inactive systemic lupus erythematosus. Correlation with proliferative responses and production of IL-2., PMID:1812897

• Thymic hormone modulation of CD38 (T10) antigen on human cord blood lymphocytes., PMID:3315336

• Expression of activation antigens CD38 and CD71 is not clinically important in childhood acute lymphoblastic leukemia., PMID:8418378

• Isolation of a cDNA encoding the human CD38 (T10) molecule, a cell surface glycoprotein with an unusual discontinuous pattern of expression during lymphocyte differentiation., PMID:2319135

• A phenotypic study of cells from Burkitt lymphoma and EBV-B-lymphoblastoid lines and their relationship to cells in normal lymphoid tissues., PMID:2536003

• [Monoclonal antibodies ICO-20 against human thymocyte antigen T10]., PMID:3048431

别名

2760318-99-6

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.