

PE Anti-CD59 antibody [YTH53.1] ab33165

概述

产品名称	PE Anti-CD59抗体[YTH53.1]
描述	PE大鼠单克隆抗体[YTH53.1] to CD59
宿主	Rat
偶联物	PE. Ex: 488nm, Em: 575nm
经测试应用	适用于: Flow Cyt
种属反应性	与反应: Human
免疫原	Tissue, cells or virus corresponding to Human CD59. Human Peripheral Blood T cells.
常规说明	

This clone enhances antibody mediated lysis by homologous complement and reacts with GPI linked antigen of 18-20kD size which is broadly expressed on human leucocytes and erythrocytes.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C.
存储溶液	pH: 7.20 Preservative: 0.09% Sodium azide Constituents: PBS, 1% BSA
纯化说明	ab33165 was purified by ion exchange chromatography.
Primary antibody说明	This clone enhances antibody mediated lysis by homologous complement and reacts with GPI linked antigen of 18-20kD size which is broadly expressed on human leucocytes and erythrocytes.
克隆	单克隆
克隆编号	YTH53.1
骨髓瘤	Y3/Ag1.2.3

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab33165于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		Use at an assay dependent concentration. We do not recommend using this antibody in lysed whole blood techniques due to inhibition of staining caused by CD59 expression on erythrocytes.

靶标

功能	<p>Potent inhibitor of the complement membrane attack complex (MAC) action. Acts by binding to the C8 and/or C9 complements of the assembling MAC, thereby preventing incorporation of the multiple copies of C9 required for complete formation of the osmolytic pore. This inhibitor appears to be species-specific. Involved in signal transduction for T-cell activation complexed to a protein tyrosine kinase.</p> <p>The soluble form from urine retains its specific complement binding activity, but exhibits greatly reduced ability to inhibit MAC assembly on cell membranes.</p>
疾病相关	Defects in CD59 are the cause of CD59 deficiency (CD59D) [MIM:612300].
序列相似性	Contains 1 UPAR/Ly6 domain.
翻译后修饰	<p>N- and O-glycosylated. The N-glycosylation mainly consists of a family of biantennary complex-type structures with and without lactosamine extensions and outer arm fucose residues. Also significant amounts of triantennary complexes (22%). Variable sialylation also present in the Asn-43 oligosaccharide. The predominant O-glycans are mono-sialylated forms of the disaccharide, Gal-beta-1,3GalNAc, and their sites of attachment are probably on Thr-76 and Thr-77. The GPI-anchor of soluble urinary CD59 has no inositol-associated phospholipid, but is composed of seven different GPI-anchor variants of one or more monosaccharide units. Major variants contain sialic acid, mannose and glucosamine Sialic acid linked to an N-acetylhexosamine-galactose arm is present in two variants.</p> <p>Glycated. Glycation is found in diabetic subjects, but only at minimal levels in nondiabetic subjects. Glycated CD59 lacks MAC-inhibitory function and confers to vascular complications of diabetes.</p>
细胞定位	Cell membrane. Secreted. Soluble form found in a number of tissues.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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