abcam

Product datasheet

Anti-CD59 antibody [MEM-43] ab9182

★★★★☆ **2 Abreviews**　　**23 References**　　2 图像

概述

产品名称	Anti-CD59抗体[MEM-43]
描述	小鼠单克隆抗体[MEM-43] to CD59
宿主	Mouse
特异性	CD59 antigen (human). MEM-43 identified CD59 as the new cluster on 4th HLDA Workshop. MEM-43 reacts with well defined epitope (W40, R53).
经测试应用	**适用于：** IP, IHC-Fr, IHC, ICC/IF, Flow Cyt, WB, IHC-P
种属反应性	**与反应：** Human
免疫原	Tissue, cells or virus corresponding to Human CD59. Thymocytes and T lymphocytes
阳性对照	ICC/IF: Human fibrosarcoma cells. Flow Cyt: HT1080 cells. IHC: human placenta tissue
常规说明	When originally tested in WB, SDS was included in the sample buffer, however, feedback from one researcher has shown that it is best to omit SDS from the sample buffer.

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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Do Not Freeze.
存储溶液	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: PBS
纯度	Protein A purified
纯化说明	Purity >95% by SDS-PAGE.
克隆	单克隆

克隆编号	MEM-43
骨髓瘤	unknown
同种型	IgG2a
轻链类型	unknown

应用

The Abpromise guarantee　　**Abpromise™承诺保证使用ab9182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
IP		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.
IHC		Use a concentration of 10 µg/ml.
ICC/IF	★★★★☆ (1)	Use at an assay dependent concentration. PubMed: 17911601
Flow Cyt	★★★★☆ (1)	Use a concentration of 0.5 - 4 µg/ml. **ab170191** - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
WB		Use at an assay dependent concentration. Predicted molecular weight: 14 kDa. Use under non-reducing conditions.
IHC-P		Use at an assay dependent concentration.

靶标

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功能	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. The soluble form from urine retains its specific complement binding activity, but exhibits greatly reduced ability to inhibit MAC assembly on cell membranes.
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	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.

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.
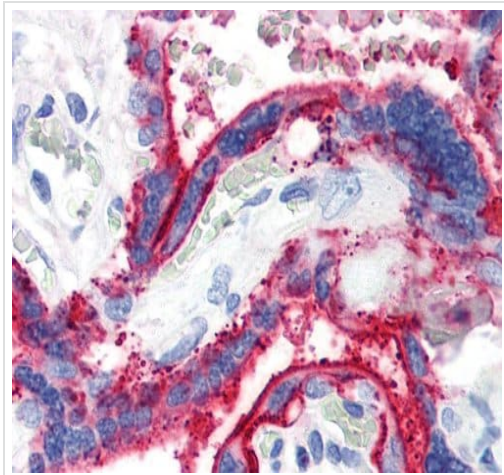
细胞定位	Cell membrane. Secreted. Soluble form found in a number of tissues.

图片
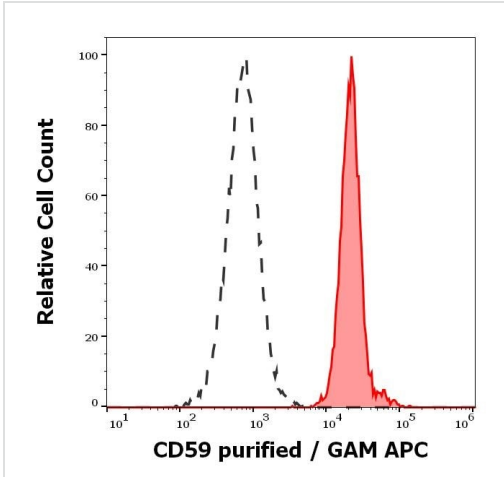
Flow cytometric analysis of Human Peripheral Blood cells labelling CD59 with ab9182 at 0.3 ug/ml showing separation of human neutrophil granulocytes (red-filled) from human CD59 negative blood debris (black-dashed).

Flow Cytometry - Anti-CD59 antibody [MEM-43] (ab9182)

Immunohistochemistry parafin embedded sections staining of huam palacenta tissue using ab9182 with a concentration of 10μg / ml

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD59 antibody [MEM-43] (ab9182)

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