abcam

Product datasheet

# Anti-CD59 antibody [MEM-43] ab9182

2 Abreviews 23 References 画像数 2

## 製品の概要

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| **製品名** | Anti-CD59 antibody [MEM-43] |
| **製品の詳細** | Mouse monoclonal [MEM-43] to CD59 |
| **由来種** | Mouse |
| **特異性** | CD59 antigen (human). MEM-43 identified CD59 as the new cluster on 4th HLDA Workshop. MEM-43 reacts with well defined epitope (W40, R53). |
| **アプリケーション** | **適用あり:** IP, IHC-Fr, IHC, ICC/IF, Flow Cyt, WB, IHC-P |
| **種交差性** | **交差種:** Human |
| **免疫原** | Tissue, cells or virus corresponding to Human CD59. Thymocytes and T lymphocytes |
| **ポジティブ・コントロール** | ICC/IF: Human fibrosarcoma cells. Flow Cyt: HT1080 cells. IHC: human placenta tissue |
| **特記事項** | 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.<br><br>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.<br><br>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 |

## 製品の特性

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| **製品の状態** | Liquid |
| **保存方法** | 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. |
| **バッファー** | pH: 7.40<br>Preservative: 0.097% Sodium azide<br>Constituent: PBS |
| **精製度** | Protein A purified |
| **特記事項（精製）** | Purity >95% by SDS-PAGE. |
| **ポリ/モノ** | モノクローナル |

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| **クローン名** | MEM-43 |
| **ミエローマ** | unknown |
| **アイソタイプ** | IgG2a |
| **軽鎖の種類** | unknown |

## アプリケーション

**The Abpromise guarantee** **Abpromise保証は、次のテスト済みアプリケーションにおけるab9182の使用に適用されます**

**アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。**

| アプリケーション | Abreviews | 特記事項 |
|---|---|---|
| **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.<br>**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. |

## ターゲット情報

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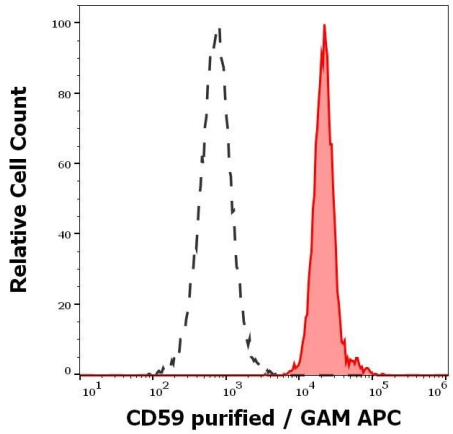
| **機能** | Potent inhibitor of the complement membrane attack complex (MAC) action. Acts by binding to the C8 and/or C9 complements of the assembling MAC, thereby preventing incorporation of the multiple copies of C9 required for complete formation of the osmolytic pore. This inhibitor appears to be species-specific. Involved in signal transduction for T-cell activation complexed to a protein tyrosine kinase.<br>The soluble form from urine retains its specific complement binding activity, but exhibits greatly reduced ability to inhibit MAC assembly on cell membranes. |
| **関連疾患** | Defects in CD59 are the cause of CD59 deficiency (CD59D) [MIM:612300]. |
| **配列類似性** | Contains 1 UPAR/Ly6 domain. |
| **翻訳後修飾** | 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.

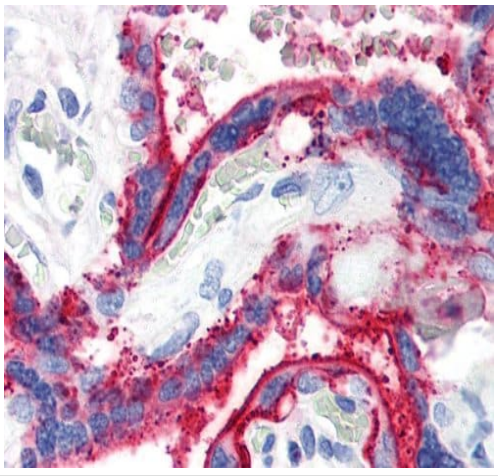
**細胞内局在** Cell membrane. Secreted. Soluble form found in a number of tissues.

## 画像




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

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).



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

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



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