

# PE Anti-CD59 antibody [MEM-43] ab36421

**1** [References](#) **2** [画像数](#)

### 製品の概要

製品名	PE Anti-CD59 antibody [MEM-43]
製品の詳細	PE Mouse monoclonal [MEM-43] to CD59
由来種	Mouse
標識	PE. Ex: 488nm, Em: 575nm
アプリケーション	<b>適用あり:</b> Flow Cyt, ICC/IF
種交差性	<b>交差種:</b> Human
免疫原	Tissue, cells or virus corresponding to Human CD59. Thymocytes and T lymphocytes
エピトープ	ab36421 reacts with the well defined epitope (W40, R-53) on the CD59 molecule.
ポジティブ・コントロール	This antibody gave a positive result in IF in the following Formaldehyde fixed cell line: JEG3.
特記事項	<p>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.</p> <p>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&amp;As</p>

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C.
バッファー	<p>pH: 7.4</p> <p>Preservative: 0.097% Sodium azide</p> <p>Constituents: 0.2% BSA, PBS</p>
特記事項 (精製)	The conjugate is purified by size-exclusion chromatography.
ポリ/モノ	モノクローナル
クローン名	MEM-43
アイソタイプ	IgG2a

## アプリケーション

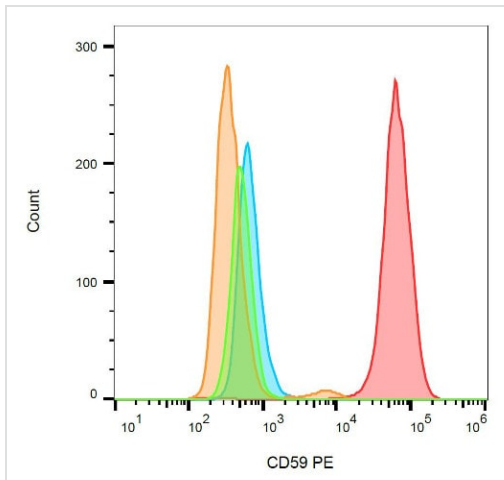
The Abpromise guarantee      Abpromise保証は、次のテスト済みアプリケーションにおけるab36421の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt		Use 20µl for 10 <sup>6</sup> cells. (or 100µl of whole blood).  <b>ab01262</b> Mouse monoclonal IgG2a is suitable for use as an
ICC/IF		1/100.

## ターゲット情報

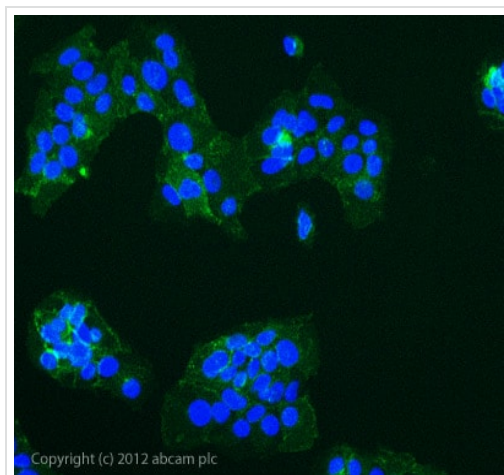
機能	<p>Potent inhibitor of the complement membrane attack complex (MAC) action. Acts by binding to the C8 and/or C9 complements of the assembling MAC, thereby preventing incorporation of the multiple copies of C9 required for complete formation of the osmolytic pore. This inhibitor appears to be species-specific. 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>
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	<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>
細胞内局在	Cell membrane. Secreted. Soluble form found in a number of tissues.

## 画像



Flow Cytometry - PE Anti-CD59 antibody [MEM-43]  
(ab36421)

Flow Cytometry analysis of HL-60 (positive) and SP2 (negative) cells labeling CD59 with Anti-CD59 antibody [MEM-43] (Phycoerythrin) (ab36421).



Immunocytochemistry/ Immunofluorescence - PE  
Anti-CD59 antibody [MEM-43] (ab36421)

ab36421 stained JEG3 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab36421 at 1 in 100 dilution overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti- mouse (**ab96879**) IgG (H+L) used at a 1/1000 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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