

APC Anti-CD59 antibody [MEM-43] ab36467

1 References [画像数 1](#)

製品の概要

製品名	APC Anti-CD59 antibody [MEM-43]
製品の詳細	APC Mouse monoclonal [MEM-43] to CD59
由来種	Mouse
標識	APC. Ex: 645nm, Em: 660nm
アプリケーション	適用あり: Flow Cyt
種交差性	交差種: Human
免疫原	Tissue, cells or virus corresponding to Human CD59. Human thymocytes and T lymphocytes
エピトープ	Reacts with the well defined epitope (W40, R-53) on CD59 molecule
ポジティブ・コントロール	Human whole blood
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&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>Constituent: 0.2% BSA</p> <p>High grade protease free BSA</p>
精製度	IgG fraction
特記事項 (精製)	Purified antibody was conjugated with cross-linked APC under optimum conditions. The conjugate was purified by size-exclusion chromatography and adjusted for direct use.
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ab36467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確認ください。

アプリケーション	Abreviews	特記事項
Flow Cyt		

追加情報 Flow Cyt: use 20µl reagent/100µl whole blood or 10⁶ cells in a suspension.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

ターゲット情報

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

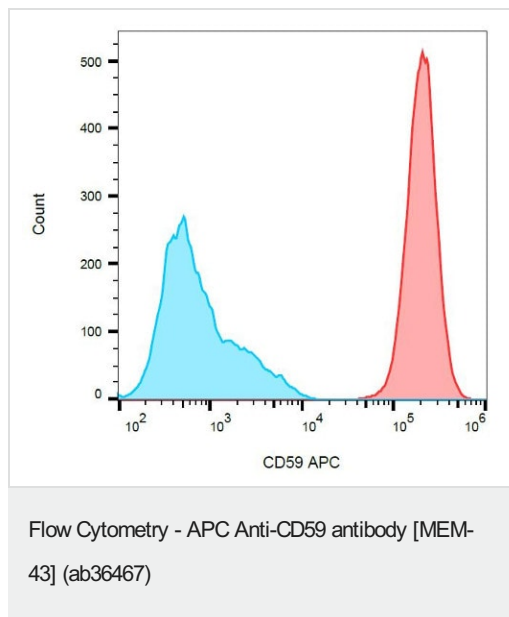
関連疾患 Defects in CD59 are the cause of CD59 deficiency (CD59D) [MIM:612300].

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 analysis of HL-60 (positive) and SP2 (negative) cells labeling CD59 with Anti-CD59 antibody [MEM-43] (Allophycocyanin) (ab36467).

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