

### FITC Anti-CD45 antibody [MEM-28], prediluted ab134199

**4 References** [画像数 1](#)

#### 製品の概要

製品名	FITC Anti-CD45 antibody [MEM-28], prediluted
製品の詳細	FITC Mouse monoclonal [MEM-28] to CD45, prediluted
由来種	Mouse
標識	FITC. Ex: 493nm, Em: 528nm
特異性	ab134199 reacts with all alternative forms of Human CD45.
アプリケーション	<b>適用あり:</b> Flow Cyt
種交差性	<b>交差種:</b> Human
免疫原	Tissue, cells or virus corresponding to Human CD45. Human thymocytes and T lymphocytes.
ポジティブ・コントロール	Flow Cyt: Human blood cells.
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: 0.1% Sodium azide</p> <p>Constituents: 0.2% BSA, 99% PBS</p>
精製度	Size exclusion
ポリ/モノ	モノクローナル
クローン名	MEM-28
アイソタイプ	IgG1

## アプリケーション

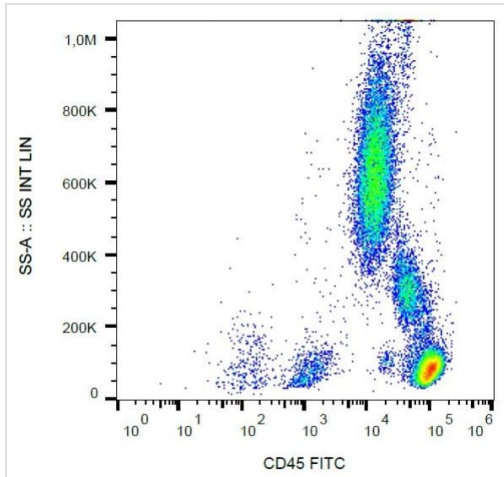
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アプリケーション	Abreviews	特記事項
Flow Cyt		Use at an assay dependent concentration. 20 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension.

## ターゲット情報

機能	Protein tyrosine-protein phosphatase required for T-cell activation through the antigen receptor. Acts as a positive regulator of T-cell coactivation upon binding to DPP4. The first PTPase domain has enzymatic activity, while the second one seems to affect the substrate specificity of the first one. Upon T-cell activation, recruits and dephosphorylates SKAP1 and FYN.
関連疾患	Defects in PTPRC are a cause of severe combined immunodeficiency autosomal recessive T-cell-negative/B-cell-positive/NK-cell-positive (T(-)B(+)NK(+)) SCID [MIM:608971]. A form of severe combined immunodeficiency (SCID), a genetically and clinically heterogeneous group of rare congenital disorders characterized by impairment of both humoral and cell-mediated immunity, leukopenia, and low or absent antibody levels. Patients present in infancy recurrent, persistent infections by opportunistic organisms. The common characteristic of all types of SCID is absence of T-cell-mediated cellular immunity due to a defect in T-cell development. Genetic variations in PTPRC are involved in multiple sclerosis susceptibility (MS) [MIM:126200]. MS is a neurodegenerative disorder characterized by the gradual accumulation of focal plaques of demyelination particularly in the periventricular areas of the brain. Peripheral nerves are not affected. Onset usually in third or fourth decade with intermittent progression over an extended period. The cause is still uncertain.
配列類似性	Belongs to the protein-tyrosine phosphatase family. Receptor class 1/6 subfamily. Contains 2 fibronectin type-III domains. Contains 2 tyrosine-protein phosphatase domains.
ドメイン	The first PTPase domain interacts with SKAP1.
翻訳後修飾	Heavily N- and O-glycosylated.
細胞内局在	Membrane. Membrane raft. Colocalized with DPP4 in membrane rafts.

## 画像



Flow cytometry analysis (surface staining) of human peripheral blood cells labeling CD45 with ab134199.

Flow Cytometry - FITC Anti-CD45 antibody [MEM-28], prediluted (ab134199)

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