abcam

Product datasheet

APC Anti-CD45 antibody [MEM-28] ab28106

★★★★★ 1 Abreviews 5 References 画像数 3

製品の概要

製品名	APC Anti-CD45 antibody [MEM-28]
製品の詳細	APC Mouse monoclonal [MEM-28] to CD45
由来種	Mouse
標識	APC. Ex: 645nm, Em: 660nm
特異性	ab28106 reacts with all alternative forms of human CD45 antigen
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 CD45. Human thymocytes and T lymphocytes
ポジティブ・コントロール	Flow Cyt: Human peripheral blood cells.
特記事項	The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. 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

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	pH: 7.4 Preservative: 0.097% Sodium azide Constituents: PBS, 0.2% BSA
精製度	IgG fraction
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

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ab28106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	★★★★★ (1)	Use at an assay dependent concentration.

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.

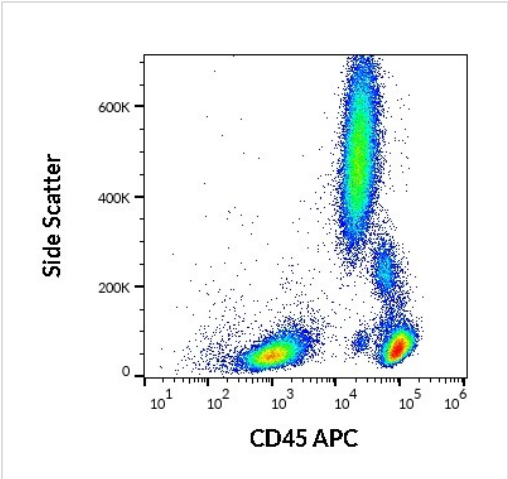
配列類似性 Belongs to the protein-tyrosine phosphatase family. Receptor class 1/6 subfamily.
Contains 2 fibronectin type-III domains.
Contains 2 tyrosine-protein phosphatase domains.

ドメイン The first PTPase domain interacts with SKAP1.

翻訳後修飾 Heavily N- and O-glycosylated.

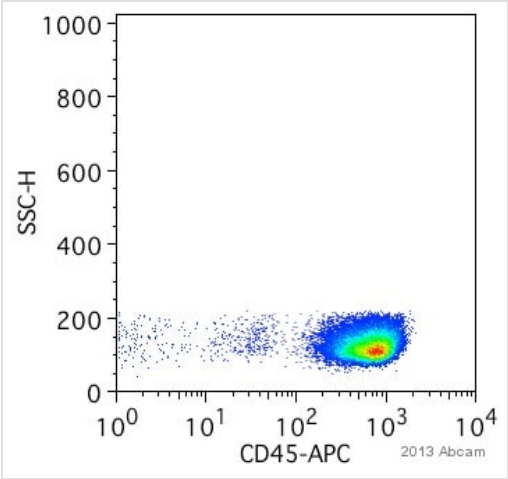
細胞内局在 Membrane. Membrane raft. Colocalized with DPP4 in membrane rafts.

画像



Flow Cytometry - APC Anti-CD45 antibody [MEM-28] (ab28106)

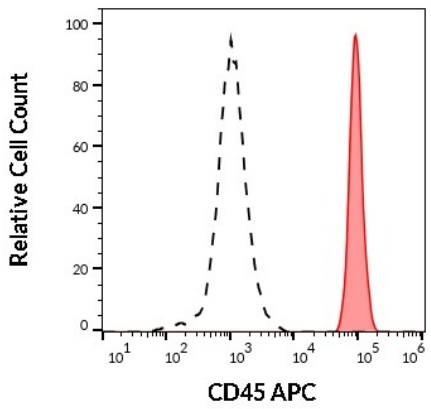
Flow cytometry surface staining pattern of human peripheral whole blood stained using ab28106 at (10 µl reagent / 100 µl of peripheral whole blood).



Flow Cytometry - APC Anti-CD45 antibody [MEM-28] (ab28106)

This image is courtesy of an anonymous Abreview

ab28106 staining the CD45 in Human PBMCs by Flow Cytometry. Cells were prepared by Ficoll-Hypaque isolation of PBMCs from buffy coat. The sample was incubated with the primary antibody (1/25 in PBS + 2% Human serum and 1mM EDTA) for 25 minutes at 4°C.



Flow Cytometry - APC Anti-CD45 antibody [MEM-28] (ab28106)

Separation of human CD45 positive lymphocytes (red-filled) from human CD45 negative blood debris (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using ab28106(10 µl reagent / 100 µl of peripheral whole blood).

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