

Alexa Fluor® 647 Anti-CD45 antibody [MEM-28] ab239276

画像数 1

製品の概要

製品名	Alexa Fluor® 647 Anti-CD45 antibody [MEM-28]
製品の詳細	Alexa Fluor® 647 Mouse monoclonal [MEM-28] to CD45
由来種	Mouse
標識	Alexa Fluor® 647. Ex: 652nm, Em: 668nm
アプリケーション	適用あり: Flow Cyt
種交差性	交差種: Human 非交差種: Horse
免疫原	Tissue, cells or virus corresponding to CD45. (Human thymocytes and T lymphocytes).
ポジティブ・コントロール	Flow Cyt: Human peripheral blood cells.
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製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Store In the Dark.
バッファー	pH: 7.4 Preservative: 0.0975% Sodium azide Constituent: PBS
精製度	Size exclusion
特記事項(精製)	Purified antibody is conjugated with Alexa Fluor® 647 under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
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

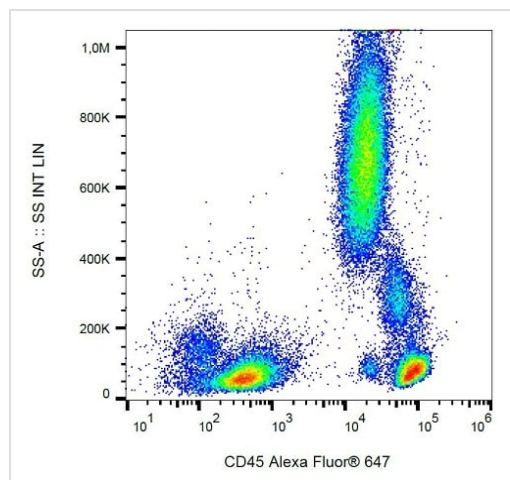
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab239276の使用に適用されず**
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アプリケーション	Abreviews	特記事項
Flow Cyt		Use 4µl for 10 ⁶ cells. (or 100 µl of whole blood).

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.

画像



Flow Cytometry - Alexa Fluor® 647 Anti-CD45 antibody [MEM-28] (ab239276)

Flow cytometric analysis of human peripheral blood cells labeling CD45 with ab239276. Surface staining. Gated on leukocytes.

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