

Product datasheet

Anti-CD45RB antibody [MEM-55] ab8218

3 References 画像数 1

製品の概要

製品名	Anti-CD45RB antibody [MEM-55]
製品の詳細	Mouse monoclonal [MEM-55] to CD45RB
由来種	Mouse
特異性	CD45RB antigen (human). This antibody recognizes a siliadase-sensitive epitope expressed on most PBL.
アプリケーション	適用あり: WB, IP, IHC-P, Flow Cyt
種交差性	交差種: Human
免疫原	Tissue, cells or virus corresponding to Human CD45RB.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 15mM Sodium Azide Constituents: PBS, pH 7.4
精製度	Protein A purified
特記事項 (精製)	Purified from TCS
ポリ/モノ	モノクローナル
クローン名	MEM-55
アイソタイプ	IgG2b

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab8218** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

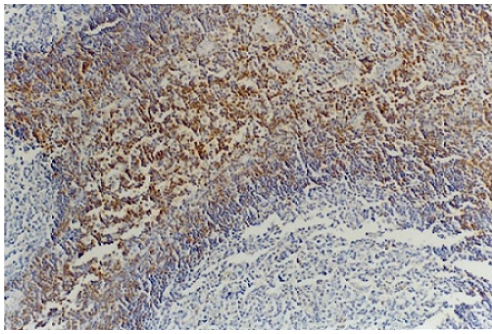
アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration.

アプリケーション	Abreviews	特記事項
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Antigen retrieval is not essential but may optimise staining.
Flow Cyt		Use a concentration of 2 µg/ml. ab170192 - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.

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



Immunohistochemical analysis of
Formalin/PFA-fixed paraffin-embedded
human tonsil tissue sections with ab8218.

Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-CD45RB antibody [MEM-
55] (ab8218)

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