

Anti-CD45 antibody [IBL-3/16] ab23910

★★★★★ [1 Abreviews](#) [17 References](#)

製品の概要

製品名	Anti-CD45 antibody [IBL-3/16]
製品の詳細	Rat monoclonal [IBL-3/16] to CD45
由来種	Rat
アプリケーション	適用あり: IHC-Fr, IP, ICC/IF, Flow Cyt 適用なし: IHC-P, IHC-R or WB
種交差性	交差種: Mouse 非交差種: Rat, Human
免疫原	Tissue, cells or virus corresponding to Mouse CD45. Purified B cells from mouse lymph nodes.
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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
バッファー	pH: 7.20 Preservative: 0.09% Sodium azide Constituents: PBS, 0.1% BSA
特記事項 (精製)	Ig fraction prepared by ammonium sulphate precipitation from tissue culture supernatant.
ポリ/モノ	モノクローナル
クローン名	IBL-3/16
ミエローマ	Sp2/0-Ag14
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ab23910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
IHC-Fr	★★★★★ (1)	Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. Use 50ul of the suggested working dilution to label 10 ⁵ cells in 100ul. ab18407 - Rat monoclonal IgG1, is suitable for use as an isotype control with this antibody.

追加情報 Is unsuitable for IHC-P, IHC-R or WB.

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.

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