

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

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

概述

产品名称	Anti-CD45抗体[IBL-3/16]
描述	大鼠单克隆抗体[IBL-3/16] to CD45
宿主	Rat
经测试应用	适用于: IHC-Fr, IP, ICC/IF, Flow Cyt 不适用于: IHC-P, IHC-R or WB
种属反应性	与反应: Mouse 不与反应: Rat, Human
免疫原	Tissue, cells or virus corresponding to Mouse CD45. Purified B cells from mouse lymph nodes.
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
存储溶液	pH: 7.20 Preservative: 0.09% Sodium azide Constituents: PBS, 0.1% BSA
纯化说明	Ig fraction prepared by ammonium sulphate precipitation from tissue culture supernatant.
克隆	单克隆
克隆编号	IBL-3/16
骨髓瘤	Sp2/0-Ag14
同种型	IgG1

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab23910于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
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.

应用说明

Is unsuitable for IHC-P,IHC-R or WB.

靶标

功能

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.

疾病相关

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.

序列相似性

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

结构域

The first PTPase domain interacts with SKAP1.

翻译后修饰

Heavily N- and O-glycosylated.

细胞定位

Membrane. Membrane raft. Colocalized with DPP4 in membrane rafts.

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