

redFluor™ 710 Anti-CD45RO antibody [UCHL1] ab242256

1 图像

概述

产品名称	redFluor™ 710 Anti-CD45RO抗体[UCHL1]
描述	redFluor™ 710小鼠单克隆抗体[UCHL1] to CD45RO
宿主	Mouse
偶联物	redFluor™ 710
经测试应用	适用于: Flow Cyt
种属反应性	与反应: Human
免疫原	The details of the immunogen for this antibody are not available.
阳性对照	Flow Cyt: Human peripheral blood lymphocytes.
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. Store In the Dark.
存储溶液	<p>pH: 7.20</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: 0.12% Monobasic dihydrogen sodium phosphate, 0.87% Sodium chloride, 0.1% Gelatin</p>
纯度	Affinity purified
纯化说明	Purified from TCS via affinity chromatography.
克隆	单克隆
克隆编号	UCHL1
同种型	IgG2a
轻链类型	kappa

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab242256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
Flow Cyt		Use at an assay dependent concentration. The antibody has been diluted for use at 5 µl per test, defined as the amount of antibody that will stain a cell sample in a final volume of approximately 100 µl. The number of cells within a sample should be determined empirically, but typically ranges between 1 x 10e5 to 1 x 10e8 cells.

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. Dephosphorylates LYN, and thereby modulates LYN activity.

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.

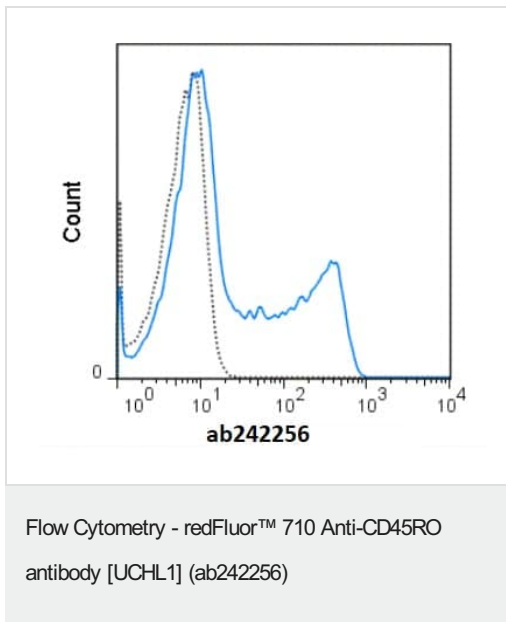
翻译后修饰

Heavily N- and O-glycosylated.

细胞定位

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

图片



Flow Cytometric analysis of human peripheral blood lymphocytes labeling CD45RO with 5 μ l (0.5 μ g) ab242256 (solid line) or 0.5 μ g redFluor™ 710 Mouse IgG2a isotype control (dashed line).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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