

Product datasheet

Anti-CD45R antibody [IVA103] ab9525

3 References

概述

产品名称	Anti-CD45R抗体[IVA103]
描述	小鼠单克隆抗体[IVA103] to CD45R
宿主	Mouse
经测试应用	适用于: IP, Flow Cyt
种属反应性	与反应: Cow
免疫原	Cow leukocytes.

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 or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 15mM Sodium Azide Constituents: PBS, pH 7.4
纯度	>95% by SDS-PAGE
纯化说明	Purified from ascites by protein-A affinity chromatography.
克隆	单克隆
克隆编号	IVA103
同种型	IgG1

应用

Our [Abpromise guarantee](#) covers the use of **ab9525** in the following tested applications.

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

应用	Ab评论	说明
IP		
Flow Cyt		

应用说明

Flow Cyt: Use at an assay dependant concentration.

IP: Use at an assay dependant concentration.

Not tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

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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