

Product datasheet

Anti-CD45RO antibody [UCHL-1] ab86080

5 References

概述

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| 产品名称 | Anti-CD45RO抗体[UCHL-1] |
| 描述 | 小鼠单克隆抗体[UCHL-1] to CD45RO |
| 宿主 | Mouse |
| 经测试应用 | 适用于: Flow Cyt, WB, IHC-P, IHC-Fr |
| 种属反应性 | 与反应: Rat, Cow, Human 不与反应: Pig |
| 免疫原 | Antigen isolated from the Il-2 dependent T cell line CA-1. |
| 阳性对照 | Tonsil, Thymus |
| 常规说明 | ab86080 can be used in lymphoma diagnosis and is clustered as CD45RO. |

性能

| | |
|--------------------|---|
| 形式 | Liquid |
| 存放说明 | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| 存储溶液 | Preservative: 0.09% Sodium Azide Constituents: Tissue culture supernatant |
| 纯度 | Tissue culture supernatant |
| Primary antibody说明 | ab86080 can be used in lymphoma diagnosis and is clustered as CD45RO. |
| 克隆 | 单克隆 |
| 克隆编号 | UCHL-1 |
| 骨髓瘤 | NS1 |
| 同种型 | IgG2a |

应用

Our [Abpromise guarantee](#) covers the use of **ab86080** 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 |
|----|-------|----|
|----|-------|----|

Flow Cyt Use at an assay dependent concentration.
[ab170191](#) - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

WB Use at an assay dependent concentration. Detects a band of approximately 185 kDa.

IHC-P 1/5 - 1/10. Antigen retrieval is not essential but may optimise staining.
 Suggested dilutions provided are based on the indirect method, but with an ABC method the dilution can be 5-10 times higher. The optimal dilution should, however, be tested by serial dilution. Dilute immediately before with PBS or Tris HCl pH 7.4.

IHC-Fr 1/5 - 1/10.
 Suggested dilutions provided are based on the indirect method, but with an ABC method the dilution can be 5-10 times higher. The optimal dilution should, however, be tested by serial dilution. Dilute immediately before with PBS or Tris HCl pH 7.4.

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.

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