

Mouse Anti-CD45RA [111-1C5]: MC0985, MC0985RTU7

Intended Use: For Research Use Only

Description: CD45 or Leukocyte Common Antigen (LCA/T200) belongs to a family of membrane sialoglycoproteins with MW of 180kDa-220kDa. Human CD45 contains three exons which encode peptidesegments designated A, B and C, respectively. The differential splicing of the exons generates various isoforms. CD45RA.is a single chain glycoprotein. It is expressed on approximately 40-50% of peripheral CD4+ T-cells, 50% of peripheral CD8+ T-cells, B-cells, and leukemic B-cell lines. T-cells expressing CD45RA and CD45RO define complementary, predominantly non-overlapping populations of resting peripheral T-cells. CD45RA are naive or virgin T-cells while, T-cells expressing CD45RO are memory T-cells.

Specifications:

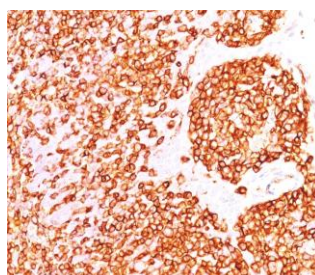
Clone: 111-1C5
Source: Mouse
Isotype: IgG3κ
Reactivity: Human
Immunogen: Extract from Alexander's hepatoma cell line L428
Localization: Membrane
Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN₃).
Storage: Store at 2°- 8°C
Applications: IHC, Flow Cyt., IF
Package:

Description	Catalog No.	Size
CD45RA Concentrated	MC0985	1 ml
CD45RA Prediluted	MC0985RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Tonsil, lymph node
Concentrated Dilution: 50-200
Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human tonsil stained with anti-CD45RB using DAB

References:

1. Sialic acid-dependent epitopes of CD45 molecules of restricted cellular expression. Bazil V, et al. Immunogenetics 29:202-5, 1989.
2. Monoclonal antibodies against human leucocyte antigens. II. Antibodies against CD45 (T200), CD3 (T3), CD43, CD10 (CALLA), transferrin receptor (T9), a novel broadly expressed 18-kDa antigen (MEM-43) and a novel antigen of restricted expression (MEM-74). Horejsi V, et al. Folia Biol (Praha) 34:23-34, 1988.

Doc. 100-MC0985
Rev. A