

Mouse Anti-CD45RA [4KB5]: MC0517

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 peptides 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: 4KB5
Source: Mouse
Isotype: IgG1/ κ
Reactivity: Human
Localization: Membrane
Formulation: Purified ascites in PBS pH7.4, containing BSA, glycerol, and $\leq 0.09\%$ sodium azide (NaN₃).
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC
Package:

Description	Catalog No.	Size
CD45RA Concentrated	MC0517	1 ml

IHC Procedure*:

Positive Control Tissue: Tonsil, lymph node
Concentrated Dilution: 25-100
Pretreatment: Citrate pH6.0, 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.