

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 36-1624: Monoclonal Antibody to CD45RA (Leucocyte Marker)(Clone: 111-1C5)

Clonality: Monoclonal **Clone Name:** 111-1C5

FACS.IF.WB.IHC Application:

Reactivity: Human Gene: PTPRC Gene ID: 5788 **Uniprot ID:** P08575 Format: Purified **Alternative Name:** PTPRC,CD45 Mouse IgG1, kappa Isotype:

Immunogen Information: Stimulated human leukocytes

## **Description**

Recognizes a protein of 205kDa-220kDa, identified as CD45RA (Workshop III). CD45RA is isoforms of the human leukocyte common antigen (CD45). Human CD45 contains three exons which encode peptide segments designated A, B and C, respectively. The differential splicing of the exons generates at least five isoforms, ABC, AB, BC, B and O. This antibody reacts with ABC and BC isoforms. CD45RA is expressed on 40-50% of peripheral CD4+ T-cells, 50% of peripheral CD8+ Tcells, B-cells, and leukemic B-cell lines. T-cells expressing CD45RA are naive or virgin T-cells. T-cells expressing CD45RO are memory T-cells. CD45RA and CD45RO define complementary, predominantly non-overlapping populations of resting peripheral T-cells. This MAb is useful in study on the subpopulation of CD4+ or CD8+ T-cells. It can especially be used to differentiate T-cell lymphomas (CD45RO +ve) from B cell lymphomas (CD45RA +ve).

## **Product Info**

Amount: 100 µg

**Purification:** Affinity Chromatography

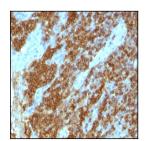
100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly Content:

Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid Storage condition:

repeated freeze and thaw cycles.

## **Application Note**

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);Western Blot (1-2ug/ml);Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Tonsil stained with CD45RA Monoclonal Antibody (111-1C5).