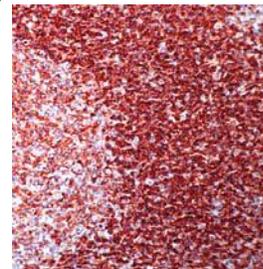


Mouse Anti-Human CD45RA Monoclonal Antibody (Clone SPM504)

CATALOG #:	E16480	0.1 ml mouse monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.
	E16484	1 ml mouse monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.
	E16481	7 ml pre-diluted mouse monoclonal antibody purified by protein A/G in TBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.



Human tonsil stained with anti-CD45RA antibody

INTENDED USE:	For Research Use Only. Not for use in diagnostic procedures.
CLONE:	SPM504
IMMUNOGEN:	Stimulated human leucocytes
IG ISOTYPE:	IgG _{2a}
EPITOPE:	Not determined
MOLECULAR WEIGHT	205-220kDa
SPECIES REACTIVITY:	Human (tested). Others not tested.
DESCRIPTION:	CD45 or Leukocyte Common Antigen (LCA/T200) is a membrane sialoglycoprotein with three exons which encode peptide segments 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.
APPLICATIONS:	Immunohistochemistry (IHC)
IHC PROCEDURE:	<p>Specimen Preparation: Formalin-fixed, paraffin-embedded tissues are suitable for use with this primary antibody.</p> <p>Deparaffinization: Deparaffinize slides using xylene or xylene alternative and graded alcohols.</p> <p>Antibody Dilution: If using the concentrate format of this product, dilute the antibody 1:200. The dilutions are estimates; actual results may differ because of variability in methods and protocols.</p> <p>Antigen Retrieval: Boil tissue section in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.</p> <p>Primary Antibody Incubation: Incubate for 30 minutes at RT.</p> <p>Slide Washing: Slides must be washed in between steps. Rinse slides with PBS/0.05% Tween.</p> <p>Visualization: Detect the antibody as instructed by the instructions provided with the visualization system.</p>
POSITIVE CONTROL:	Tonsil
CELLULAR LOCALIZATION:	Membrane
STORAGE & STABILITY	<p>Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.</p> <p>There are no definitive signs to indicate instability of this product; therefore, positive and negative controls should be tested simultaneously with unknown specimens.</p>
WARNINGS & PRECAUTIONS:	<ol style="list-style-type: none"> 1. Avoid contact of reagents with eyes and mucous membranes. If reagents come into contact with sensitive areas, wash with copious amounts of water. 2. This product is harmful if swallowed. 3. Consult local or state authorities with regard to recommended method of disposal. 4. Avoid microbial contamination of reagents.



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