

Datasheet for ABIN94140  
**anti-CD45RB antibody**

5 Images

1 Publication

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## Overview

Quantity:	0.1 mg
Target:	CD45RB
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD45RB antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP)

## Product Details

Immunogen:	Human thymocytes and T lymphocytes.
Clone:	MEM-55
Isotype:	IgG1
Specificity:	<p>The antibody MEM-55 recognizes a sialidase-sensitive extracellular epitope of CD45RB, a 180-240 kDa single chain type I membrane glycoprotein, variant of CD45 (CD45RB isoform).</p> <p>CD45RB is expressed on a subset of T lymphocytes, B lymphocytes, monocytes, macrophages, granulocytes and dendritic cells.</p>
Cross-Reactivity (Details):	Human, Non-Human Primates
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

## Target Details

Target:	CD45RB
Alternative Name:	CD45RB ( <a href="#">CD45RB Products</a> )
Background:	CD45RB is an of a receptor-type protein tyrosine phosphatase, CD45 glycoprotein. CD45 is crucial in lymphocyte development and antigen signaling, serving as an important regulator of Src-family kinases, promotes cell survival by modulating integrin-mediated signal transduction pathway and is also involved in DNA fragmentation during apoptosis. CD45 isoforms differ in their extracellular domains, whereas they share identical transmembrane and cytoplasmic domains. These isoforms differ in their ability to translocate into the glycosphingolipid-enriched membrane domains and their expression depends on cell type and physiological state of the cell. CD45RB is expressed e.g. in microglia and inflammatory cells.,PTPRCR, T200RB

## Application Details

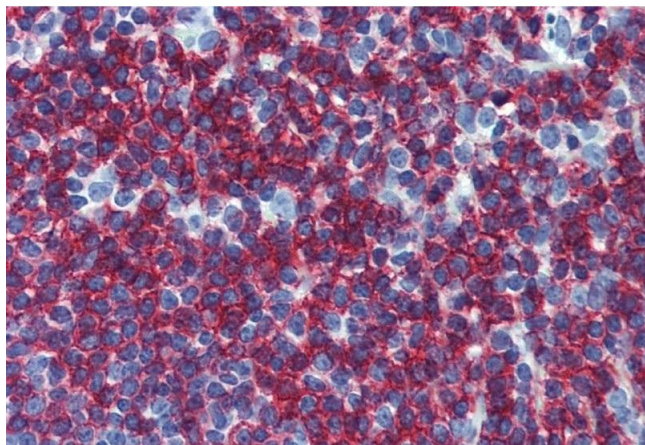
Application Notes:	Immunohistochemistry (paraffin sections): No pre-treatment of tissue sections is needed. Flow cytometry: Recommended dilution: 0.5-2 µg/mL.
Restrictions:	For Research Use only

## Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	<b>Do not freeze.</b>
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

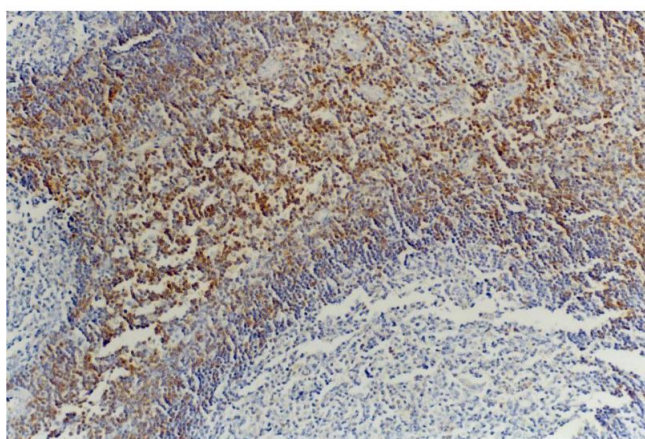
## Publications

Product cited in:	Koethe, Zander, Köster, Annan, Ebenfelt, Spencer, Bemark: "Pivotal advance: CD45RB glycosylation is specifically regulated during human peripheral B cell differentiation." in: <b>Journal of leukocyte biology</b> , Vol. 90, Issue 1, pp. 5-19, (2011) ( <a href="#">PubMed</a> ).
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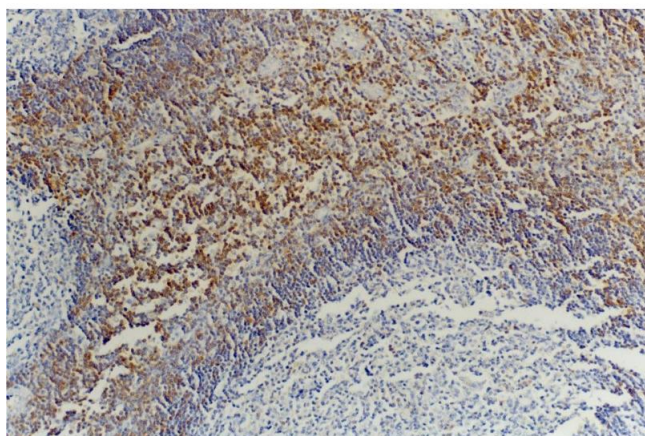
#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry staining of human small intestine (paraffin-embedded sections) with anti-CD45RB (MEM-55).



#### Immunohistochemistry

**Image 2.** Immunohistochemistry of paraffin-embedded sections (tonsil) Immunohistochemistry staining of tonsil (paraffin-embedded sections) with anti-CD45RB (MEM-55).



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemistry staining of tonsil (paraffin-embedded sections) with anti-CD45RB (MEM-55).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN94140.