

## 30-1262: Anti-CD45RB Monoclonal Antibody (Clone:MEM-143)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MEM-143
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Format :</b>	Purified
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Human peripheral blood lymphocytes.

### Description

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.

### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

### Application Note

Flow cytometry: Recommended dilution: 0.5-4 µg/ml. The staining pattern of the MEM-143 shows prominent differences from other anti-CD45RB reagents including standard antibody MEM-55, mostly as a result of the recognition of differences in glycosylation. <br>Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/ml; positive control: human tonsil.

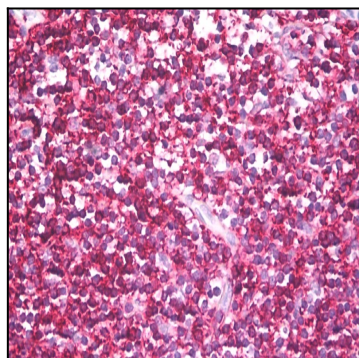


Figure 1: Immunohistochemistry staining of human tonsil (paraffin sections) using anti-CD45RB (clone MEM-143).