

11-224-C025

Monoclonal Antibody to CD45RB Purified Antibody (0.025 mg)

Clone:	MEM-55
Isotype:	Mouse IgG1
Specificity:	<p>The antibody MEM-55 recognizes a sialidase-sensitive epitope of CD45RB, a 180-240 kDa single chain type I membrane glycoprotein, variant of CD45 (CD45RB isoform). CD45RB is expressed on a subset of T lymphocytes, B lymphocytes, monocytes, macrophages, granulocytes and dendritic cells.</p> <p>HLDA III; WS Code NL 358 HLDA IV; WS Code NL 2 HLDA V; WS Code T T-151 HLDA V; WS Code T T-CD45.08</p>
Regulatory Status:	RUO
Immunogen:	Human thymocytes and T lymphocytes.
Species Reactivity:	Human, Non-Human Primates
Application:	<p>Flow Cytometry Recommended dilution: 2 µg/ml Immunoprecipitation Western Blotting Immunohistochemistry (paraffin sections) No pre-treatment of tissue sections is essential.</p>
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by protein-A affinity chromatography
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration:	See vial label
Lot Number:	See vial label
Background:	<p>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.</p>

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**Antibodies****References:**

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