



1P-214-T100

Monoclonal Antibody to CD16 Phycoerythrin (PE) conjugated (100 tests)

Clone:	MEM-154
Isotype:	Mouse IgG1
Specificity:	<p>The antibody MEM-154 reacts with an epitope on CD16 antigen that is residing in proximity to FG loop (probably BC or C'E loop). CD16 is a low affinity receptor for aggregated IgG (Fcγ₃ antigen). The antibody MEM-154 reacts with CD16+ granulocytes.</p> <p>HLDA V; WS Code M MA068 HLDA V; WS Code NK NK51</p>
Regulatory Status:	RUO
Immunogen:	Human granulocytes
Species Reactivity:	Human
Preparation:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Storage Buffer:	The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
Storage / Stability:	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
Usage:	<p>The reagent is designed for Flow Cytometry analysis of human blood cells using 20 µl reagent / 100 µl of whole blood or 10⁶ cells in a suspension.</p> <p>The content of a vial (2 ml) is sufficient for 100 tests.</p>
Expiration:	See vial label
Lot Number:	See vial label
Background:	<p>CD16 (Fcγ₃) is a 50-65 kDa glycoprotein serving as a low affinity IgG receptor. Human Fcγ₃ is expressed in two forms &#8211; Fcγ₃-A and -B. Fcγ₃-A is a transmembrane protein of monocytes, macrophages, NK cells and a subset of T cells. It is associated with Fcε₁-γ subunit and is responsible for antibody-dependent NK cell cytotoxicity. Mast cell Fcγ₃-A is associated, moreover, with Fcε₁-β subunit. Besides IgG, Fcγ₃-A can be triggered also by oligomeric IgE. Fcγ₃-B is a GPI-linked monomeric receptor expressed on neutrophils and is involved in their activation and induction of a proadhesive phenotype.</p>

For laboratory research only, not for drug, diagnostic or other use.

**Antibodies****References:**

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