

1P-399-T025

## Monoclonal Antibody to CD16 Phycoerythrin (PE) conjugated (25 tests)

<b>Clone:</b>	LNK16
<b>Isotype:</b>	Mouse IgG1
<b>Specificity:</b>	The antibody LNK16 reacts with CD16, a low affinity receptor for aggregated IgG (FcγR3 antigen). CD16 exists in two different isoforms: CD16a (FcγR3A; 50-65 kDa; expressed on NK-cells, monocytes and macrophages) and CD16b (FcγR3B; 48 kDa; mainly expressed on neutrophils). HLDA V; WS Code M MA069 HLDA V; WS Code NK NK50
<b>Immunogen:</b>	Normal human peripheral blood granulocytes
<b>Species Reactivity:</b>	Human, Non-Human Primates
<b>Preparation:</b>	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.
<b>Storage Buffer:</b>	The reagent is provided in phosphate buffered saline (PBS) containing 15 mM sodium azide and 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) as a stabilizing agent.
<b>Storage / Stability:</b>	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. Short-term exposure to room temperature should not affect the quality of the reagent. However, if reagent is stored under any conditions other than those specified, the conditions must be verified by the user.
<b>Usage:</b>	The reagent is designed for Flow Cytometry analysis of human blood cells using 20 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (0.5 ml) is sufficient for 25 tests.
<b>Expiration:</b>	See vial label
<b>Lot Number:</b>	See vial label
<b>Background:</b>	CD16 (FcγR3) is a 50-65 kDa glycoprotein serving as a low affinity IgG receptor. Human FcγR3 is expressed in two forms &#8211; FcγR3-A and -B. FcγR3-A is a transmembrane protein of monocytes, macrophages, NK cells and a subset of T cells. It is associated with FcεR1-γ subunit and is responsible for antibody-dependent NK cell cytotoxicity. Mast cell FcγR3-A is associated, moreover, with FcεR1-β subunit. Besides IgG, FcγR3-A can be triggered also by oligomeric IgE. FcγR3-B is a GPI-linked monomeric receptor expressed on neutrophils and is involved in their activation and induction of a proadhesive phenotype.

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

**Antibodies****References:**

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