



11-214-C100

Monoclonal Antibody to CD16 Purified Antibody (0.1 mg)

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 (FcγR3 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
Application:	<p>Flow Cytometry Recommended dilution: 5-10 µg/ml Positive control: PBL (peripheral blood lymphocytes) Application note: The antibody MEM-154 does not react with CD16a present on NK cells in many subjects.</p> <p>Immunoprecipitation Western Blotting Application note: Non-reducing conditions. Functional Application The antibody MEM-154 blocks binding of human IgG to FcγR3.</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>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 FcεRI-gamma subunit and is responsible for antibody-dependent NK cell cytotoxicity. Mast cell FcγR3-A is associated, moreover, with FcεRI-beta 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.</p>

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

**Antibodies****References:**

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