



1P-648-T025

Monoclonal Antibody to CD36 Phycoerythrin (PE) conjugated (25 tests)

Clone:	CB38 (NL07)
Isotype:	Mouse IgM
Specificity:	The mouse monoclonal antibody CB38 (NL07) recognizes CD36 (GPIIb), a 85-113 kDa integral membrane glycoprotein expressed on platelets, macrophages, endothelial cells, early erythroid cells and megakaryocytes. HLDA IV.; WS Code P106
Regulatory Status:	RUO
Immunogen:	living human myeloid cells
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 Tris buffered saline (TBS) solution containing 15 mM 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:	The reagent is designed for Flow Cytometry analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (0.25 ml) is sufficient for 25 tests.
Expiration:	See vial label
Lot Number:	See vial label
Background:	CD36 (fatty acid translocase, FAT) is an 85-113 kDa ditopic glycosylated protein that belongs to the class B family of scavenger receptors. CD36 is expressed by most resting marginal zone B cells but not by follicular and B1 B cells, and it is rapidly induced on Follicular B cells in vitro upon TLR and CD40 stimulation. CD36 does not affect the development of B cells, but modulates both primary and secondary antibody response. Similarly to glucose transporter GLUT4, CD36 is translocated from intracellular pools to the plasma membrane following cell stimulation by insulin. In mouse, CD36 is responsible for gustatory perception of long-chain fatty acids.

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

**Antibodies****References:**

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- *And many other.

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