



T7-586-T100

Monoclonal Antibody to CD117 PE-Cy[™]7 conjugated (100 tests)

Clone: 104D2

Isotype: Mouse IgG1

Specificity: The mouse monoclonal antibody 104D2 detects extracellular part of CD117 / c-Kit

protooncogen.

HLDA VI; WS Code C-30

Regulatory Status: RUO

Immunogen: MOLM-1 megakaryocytic cells

Species Reactivity: Human, Non-Human Primates, Bovine

Preparation: The purified antibody is conjugated with tandem dye PE-Cy™7 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: The reagent is designed for Flow Cytometry analysis of human blood cells using 4

μl reagent / 100 μl of whole blood or 10° cells in a suspension.

The content of a vial (0.4 ml) is sufficient for 100 tests.

Expiration: See vial label

Lot Number: See vial label

Background: CD117 / c-Kit (stem cell factor receptor) is a 145 kDa receptor tyrosine kinase that

regulates cell proliferation, adhesion, chemotaxis, apoptosis and other cell processes. Mutations of CD117 / c-Kit can lead to growth and progression of tumours. After binding of its ligand, SCF (stem cell factor), CD117 / c-Kit is autophosphorylated on its intracellular domains and activated. CD117 is expressed on pluripotent hematopoietic progenitor cells, mast cells and various cancer cells,

e.g. acute myeloid leukemia cells.



PRODUCT DATA SHEET

References:

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