

T9-586-T100

## Monoclonal Antibody to CD117 PerCP-Cy™5.5 conjugated (100 tests)

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Clone:	104D2
lsotype:	Mouse IgG1
Specificity:	The mouse monoclonal antibody 104D2 detects extracellular part of CD117 / c-Kit protooncogen. HLDA VI; WS Code C-30
<b>Regulatory Status:</b>	RUO
Immunogen:	MOLM-1 megakaryocytic cells
Species Reactivity:	Human, Non-Human Primates, Bovine
Preparation:	The purified antibody is conjugated with tandem dye PerCP-Cy™5.5 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 $\mu$ l reagent / 100 $\mu$ l of whole blood or 10 <sup>6</sup> 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.

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



Antibodies

References:

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\*Stevenson KS, Mc Glynn L, Hodge M, Mc Linden H, George WD, Davies RW, Shiels PG: Isolation, Characterisation and Differentiation of Thy1.1 sorted Pancreatic Adult Progenitor Cell Populations. Stem Cells Dev. 2009 Mar 27. \*Leukocyte Typing VI., Kishimoto T. et al. (Eds.), Garland Publishing Inc. (1997). \*And other.

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