



1B-586-C025

Monoclonal Antibody to CD117 Biotin conjugated (0.025 mg)

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 Biotin-LC-NHS under optimum conditions.

The reagent is free of unconjugated biotin.

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.

Usage: Biotinylated antibody is designed for indirect immunofluorescence analysis by Flow

Cytometry.

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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