

MCL1/CCP1 FISH Probe Kit

Introduction

The MCL1/CCP1 FISH Probe Kit is designed to detect the human MCL1 gene located on chromosome band 1q21.3, along with the number of chromosome 1 copies per cell. Abnormal expression or rearrangements of the MCL1 gene – also known as mcl1/EAT, bcl2-L-3, TM, Mcl-1, MCL1S, MCL1L, MCL1-ES, EAT or BCL2L3 – have been observed in chronic myelogenous leukemia (CML), multiple myeloma (MM), B-cell non-Hodgkin's lymphomas and other malignancies.

Intended Use

To measure the copy number of the human *MCL1* gene located on chromosome band 1q21.3.

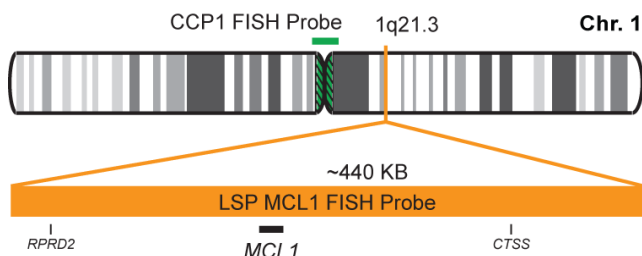
Cont.

Color

LSP MCL1 FISH Probe
CCP1 FISH Probe

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP MCL1 FISH Probe covers a chromosomal region which includes the entire *MCL1* gene. CCP1 FISH Probe, derived from chromosome 1-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 1 copies per cell.

Cat. No.

Volume

CT-PAC140-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

Other Patterns

- 1) Cho-Vega JH, et al. *Hum Pathol.* 35(9):1095-100 (2004).
- 2) Grabow S, et al. *Blood.* 124(26):3939-46 (2014).
- 3) Dzhagalov I, et al. *J Immunol.* 81(1):521-8 (2008).
- 4) Dunkle A, et al. *Cell Death Dis.* 2:e214 (2011).
- 5) Harnett CC, et al. *Cell Biochem Funct.* 33(5):334-40 (2015).

* CE IVD only available in certain countries. All other countries are either ASR or RUO. Please contact your local dealer or our headquarters for more information.

DCN032

© CytoTest Inc.



CytoTest Inc.
1395 Piccard Drive, Suite 308
Rockville, MD 20850, USA