

C19MC/TPM4 FISH Probe Kit

Introduction

The C19MC/TPM4 FISH Probe Kit is designed to detect the human C19MC microRNA cluster locus, located on chromosome band 19q13.42, and the TPM4 gene located on chromosome band 19p13.12. The C19MC microRNA cluster locus is subject to frequent rearrangements, for example in a subset of thyroid adenomas. Rearrangements of the TPM4 gene – also known as HEL-S-108 – can be found in some soft tissue tumors and other cancer types.

Intended Use

To detect rearrangements in the human C19MC microRNA cluster locus and the TPM4 gene located on chromosome band 19q13.42 and 19p13.12, respectively.

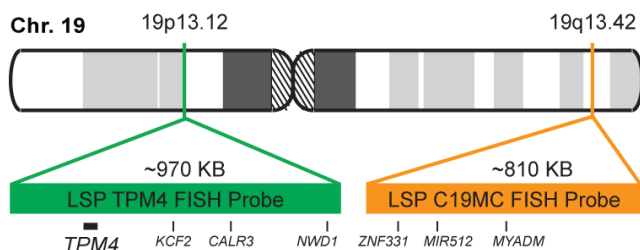
Cont.

Color

LSP C19MC FISH Probe
LSP TPM4 FISH Probe

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP C19MC FISH Probe covers the C19MC microRNA cluster locus region. LSP TPM4 FISH Probe covers a chromosomal region which includes the entire TPM4 gene.

Cat. No.

Volume

CT-PAC033-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

Other Patterns

- 1) Griffin CA, et al. *Cancer Res.* 59(12):2776-80 (1999).
- 2) Lehman W, et al. *J Mol Biol.* 302(3):593-606 (2000).
- 3) Ladanyi M. *Am J Pathol.* 157(2):341-5 (2000).
- 4) Lawrence B, et al. *Am J Pathol.* 157(2):377-84 (2000).
- 5) Brown JH, et al. *Proc Natl Acad Sci U S A.* 98(15):8496-501 (2001).

* 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