

FIP1L1-CHIC2-PDGFR A Tri-color FISH Probe Kit

Introduction

The FIP1L1-CHIC2-PDGFR A Tri-color FISH Probe Kit is designed to detect rearrangements involving the human FIP1L1, CHIC2 and PDGFR A genes located on chromosome band 4q12. Rearrangements between the FIP1L1 and PDGFR A genes with an interstitial deletion at the CHIC2 gene region have been observed in diverse eosinophilia-associated hematologic disorders like hyperseosinophilic syndrome (HES), systemic mastocytosis (SM) and chronic eosinophilic leukemia (CEL).

Intended Use

To detect arrangements involving the human *FIP1L1*, *CHIC2* and *PDGFR A* genes located on chromosome band 4q12.

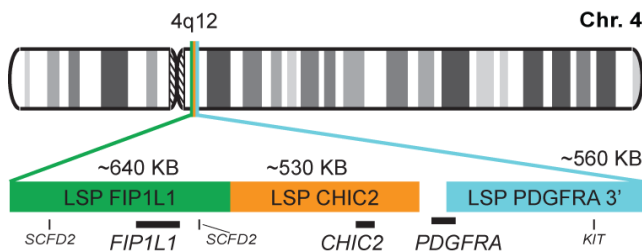
Cont.

Color

LSP FIP1L1 FISH Probe
LSP CHIC2 FISH Probe
LSP PDGFR A 3' FISH Probe

CytoGreen
CytoOrange
CytoAqua

Probe Design



Not to Scale

LSP FIP1L1 FISH Probe covers a chromosomal region which includes the entire *FIP1L1* gene. LSP CHIC2 FISH Probe covers a chromosomal region which includes the entire *CHIC2* gene. LSP PDGFR A 3' FISH Probe covers the 3' end as well as sequences downstream of the *PDGFR A* gene. The probe set is optimized to reveal arrangements in this region.

Cat. No.

Volume

CT-PAC173-10-GOA

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2O2G2A

Abnormal Patterns

Other Patterns

- 1) Cools J, et al. *N Engl J Med.* 348(13):1201-14 (2003).
- 2) Griffin JH, et al. *Proc Natl Acad Sci USA.* 100(13):7830-5 (2003).
- 3) Gotlib J, et al. *Blood.* 103(8):2879-91 (2004).
- 4) Pardanani A, et al. *Blood.* 104(10):3038-45 (2004).
- 5) Vandenberghe P, et al. *Leukemia.* 18(4):734-42 (2004).

* 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

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