

FIP1L1/CHIC2 FISH Probe Kit

Introduction

The FIP1L1/CHIC2 FISH Probe Kit is designed to detect rearrangements in a region involving the human FIP1L1 and CHIC2 genes located on chromosome band 4q12. Rearrangements around the FIP1L1 gene region 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 *PDGFRA* genes located on chromosome band 4q12.

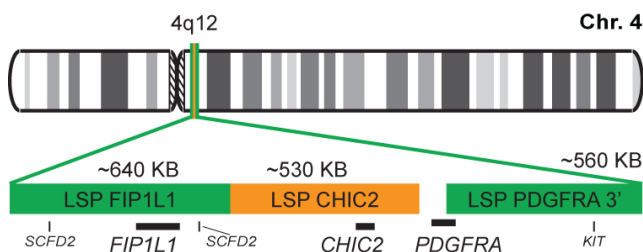
Cont.

Color

LSP FIP1L1 FISH Probe
LSP CHIC2 FISH Probe

CytoGreen
CytoOrange

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 PDGFRA 3' FISH Probe covers the 3' end as well as sequences downstream of the *PDGFRA* gene. The probe set is optimized to reveal arrangements in this region.

Cat. No.

Volume

CT-PAC172-10-GO

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2F*

Abnormal Patterns

Other Patterns

*Overlapping orange and green signals can appear as yellow.

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.