

ETV4 Break Apart FISH Probe Kit

Introduction

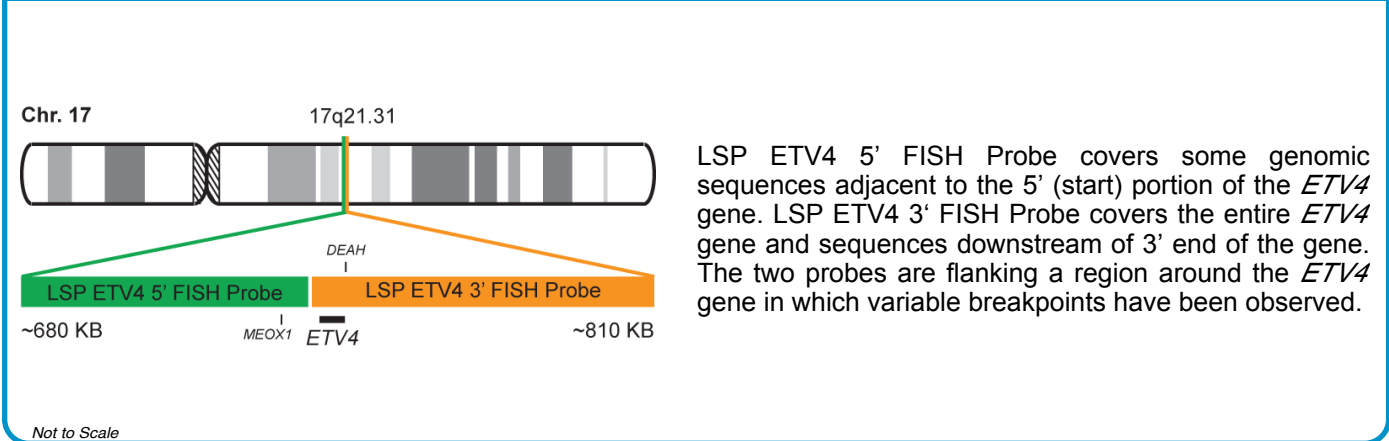
The ETV4 Break Apart FISH Probe Kit is designed to detect rearrangements in the human *ETV4* gene located on chromosome band 17q21.31. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other *ETV4* aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the *ETV4* gene – also known as *E1AF*, *PEA3*, *E1A-F* or *PEAS3* – have been observed in melanoma, breast, lung, prostate and other cancers.

Intended Use

To detect rearrangements in the human *ETV4* gene located on chromosome band 17q21.31.

| Cont. | Color |
|--|-------------------------|
| LSP ETV4 5' FISH Probe LSP ETV4 3' FISH Probe | CytoGreen CytoOrange |

Probe Design



| Cat. No. | Volume |
|-----------------|-------------------|
| CT-PAC153-10-GO | 10 Tests (100 µL) |

| Signal Pattern Interpretation | |
|-------------------------------|---|
| <u>Normal Pattern</u> 2OG* | <u>Abnormal Pattern</u> Other Patterns |

*Overlapping orange and green signals can appear as yellow.

- Shindoh M, et al. *Cancer Lett.* 216(1):1-8 (2004).
- Tomlins SA, et al. *Science.* 310(5748):644-8 (2005).
- Tomlins SA, et al. *Nature.* 448(7153):595-9 (2007).
- Jané-Valbuena J, et al. *Cancer Res.* 70(5):2075-84 (2010).
- Oh S, et al. *Biochim Biophys Acta.* 1826(1):1-12 (2012).



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* 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.

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