

SOX12/CCP20 FISH Probe Kit

Introduction

The SOX12/CCP20 FISH Probe Kit is designed to detect the human SOX12 gene located on chromosome band 20p13, along with the number of chromosome 20 copies per cell. Abnormalities in SOX12 – also known as SOX22 – have been observed in cancers such as esophageal squamous cell, gastric, hepatocellular, acute myeloid leukemia (AML) and other other malignancies.

Intended Use

To measure the copy number of the human SOX12 gene located on chromosome band 20p13.

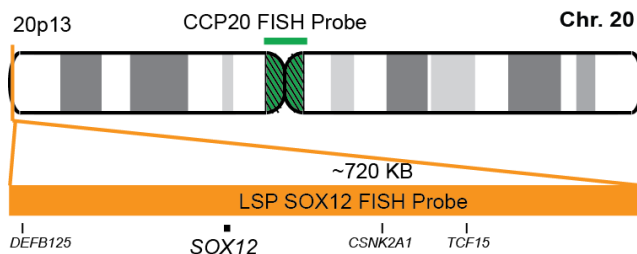
Cont.

LSP SOX12 FISH Probe
CCP20 FISH Probe

Color

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP SOX12 FISH Probe covers a chromosomal region which includes the entire SOX12 gene. CCP20 FISH Probe, derived from chromosome 20-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 20 copies per cell.

Cat. No.

CT-PAC287-10-OG

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

Other Patterns

- 1) Du F., et al. *Cancer Lett.* 452:103-118 (2019).
- 2) Zou S., et al. *Mol Cells.* 40(11):847-854 (2017).
- 3) Wan H., et al. *Br J Haematol.* 176(3):421-430 (2017).
- 4) Singh U & Own JJ. *Eur J Immunol.* 5(4):286-8 (1975).
- 5) An Y., et al. *Am J Med Genet B Neuropsychiatr Genet.* 162B(8):832-40 (2013).

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