

## S100A10/CCP1 FISH Probe Kit

### Introduction

The S100A10/CCP1 FISH Probe Kit is designed to detect the human *S100A10* gene located on chromosome band 1q21.3, along with the number of chromosome 1 copies per cell. The *S100A10* gene – also called *42C*, *P11*, *p10*, *GP11*, *ANX2L*, *CAL1L*, *CLP11*, *Ca[1]* or *ANX2LG* – has been shown to be over-expressed in thyroid, gastric and renal cancers and some lymphomas. It may also play a role in inherited depressive disorders.

### Intended Use

To measure the copy number of the human *S100A10* gene located on chromosome band 1q21.3.

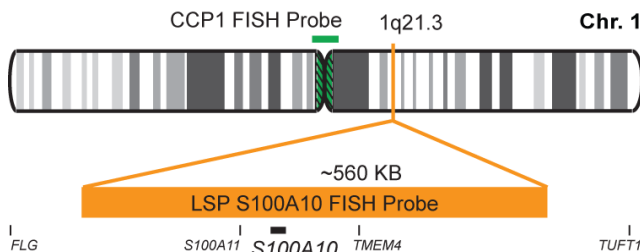
### Cont.

LSP S100A10 FISH Probe  
CCP1 FISH Probe

### Color

CytoOrange  
CytoGreen

### Probe Design



LSP S100A10 FISH Probe covers a chromosomal region which includes the entire *S100A10* gene. CCP1 FISH Probe, derived from chromosome 1-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 1 copies per cell.

Not to Scale

### Cat. No.

CT-PAC195-10-OG

### Volume

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

2O2G

#### Abnormal Patterns

Other Patterns

- 1) Donato R. *Int J Biochem Cell Biol.* 33(7):637-68 (2001).
- 2) Svenningsson P, et al. *Science.* 311(5757):77-80 (2006).
- 3) Verma R, et al. *Am J Med Genet B Neuropsychiatr Genet.* 144B(8):1079-82 (2007).
- 4) Wachman EM, et al. *Drug Alcohol Depend.* pii: S0376-8716(15)00363-4 (2015).
- 5) Blaveri E, et al. *Eur J Hum Genet.* 9(6):469-72 (2001).



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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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