

## CD274, PDCD1LG2/CCP9 FISH Probe Kit

### Introduction

The CD274, PDCD1LG2/CCP9 FISH Probe Kit is designed to detect the human CD274 and PDCD1LG2 genes located on chromosome band 9p24.1, along with the number of chromosome 9 copies per cell. Copy number changes and abnormal expression of the CD274 gene – also known as PDL1, PDCD1LG1, PDCD1L1, PD-L1, B7H1 or B7-H – or the PDCD1LG2 gene – also called PDL2, PDCD1L2, bA574F11.2, PD-L2, CD273, Btdc or B7DC – have been observed in lymphoma, melanoma, various types of solid tumors types and in autoimmune conditions.

### Intended Use

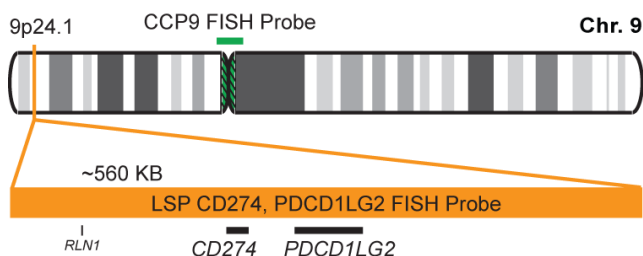
To measure the copy number of the human *CD274* and *PDCD1LG2* genes located on chromosome band 9p24.1.

### Cont.

### Color

LSP CD274, PDCD1LG2 FISH Probe    CytoOrange  
CCP9 (Pericentromeric) FISH Probe    CytoGreen

### Probe Design



Not to Scale

LSP CD274, PDCD1LG2 FISH Probe covers a chromosomal region which includes the entire *CD274* and *PDCD1LG2* genes. CCP9 FISH Probe, derived from chromosome 9-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 9 copies per cell.

### Cat. No.

### Volume

CT-PAC240-10-OG

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

2O2G

#### Abnormal Patterns

Other Patterns

1) Chong LC, et al. *Blood*. 128(9):1206-13 (2016).  
2) Van Roosbroeck K, et al. *Genes Chromosomes Cancer*. 55(5):428-41 (2016).  
3) Leng C, et al. *Oncol Rep*. 35(2):699-708 (2016).  
4) Papasavvas E, et al. *Oncoimmunology*. 5(5):e1128612 (2016).  
5) Ansell SM, et al. *N Engl J Med*. 372(4):311-9 (2015).

\* 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.