

# CD274/PDCD1LG2/CCP9 FISH Probe Kit

## Introduction

The CD274/PDCD1LG2/CCP9 FISH Probe Kit is designed to detect the human *CD274* gene, located on chromosomes band 9p24.1, and the *PDCD1LG2* gene on chromosome band 9p24.1, along with the number of chromosome 9 copies per cell. *CD274* is also known as B7-H, B7H1, PDL1, PD-L1, PDCD1L1 or PDCD1LG1. *PDCD1LG2* is also known as B7DC, Btdc, PDL2, CD273, PD-L2, PDCD1L2 or bA574F11.2. Abnormal expression or rearrangements of both genes has been observed in various hematological and other malignancies.

## Intended Use

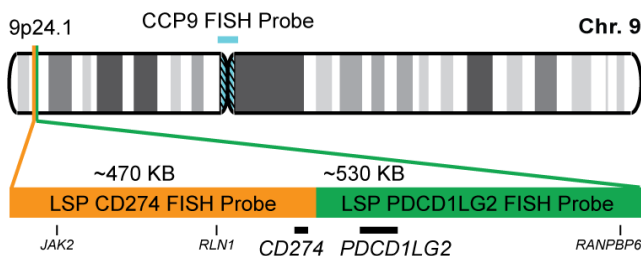
To measure the copy number and integrity of the human *CD274* and *PDCD1LG2* genes located on chromosome band 9p24.1.

## Cont.

## Color

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

## Probe Design



Not to Scale

LSP CD274 and LSP PDCD1LG2 FISH Probe cover chromosomal regions which include the entire *CD274* and *PDCD1LG2* genes, respectively. CCP9 FISH Probe is designed to serve as a control to determine the number of chromosome 9 copies per cell.

## Cat. No.

## Volume

CT-PAC362-10-OGA

10 Tests (100 µL)

## Signal Pattern Interpretation

### Normal Patterns

2OG2A

### 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) Pappasavvas 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.

