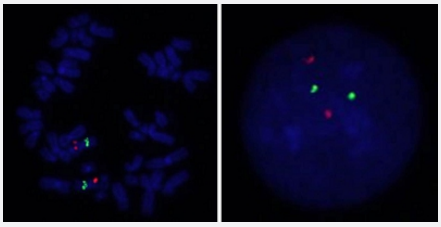
Sm Size

CD274/CEN9q FISH Probe

Catalog # FG0167 Size 200 uL, 100 uL

Applications



Hybridization position of the probes on the chromosome:

Hybridization position of the probes on the chromosome:

Specification

Product Description	Labeled FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization T echnique. (Technology).
Probe 1	**Name:** CD274 **Size:** Approximately 230kb **Fluorophore:** Texas Red **Location:** 9p24
Probe 2	**Name:** CEN9q **Size:** Approximately 470kb **Fluorophore:** FITC **Location:** 9q21
Origin	Human

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Source	Genomic DNA
Reactivity	Human
Form	Liquid
Notice	We **strongly recommend** the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: KA2375 or KA2691) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections.
Regulation Status	For research use only (RUO)
Quality Control Testing	Representative images of normal human cell (lymphocyte) stain with the dual color FISH probe. The l eft image is chromosomes at metaphase, and the right image is an interphase nucleus.
Supplied Products	DAPI Counterstain (1500 ng/mL) 125 uL for each 100 uL FISH Probe
Storage Instruction	Store at 4°C in the dark.
Note	Hybridization position of the probes on the chromosome: Hybridization position of the probes on the chromosome:
Self-Attestation	Abnova self-attests to comply with the U.S. Framework for Nucleic Acid Synthesis Screening

Applications

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

Gene Info — CD274

Entrez GeneID	29126
Gene Name	CD274
Gene Alias	B7-H, B7H1, MGC142294, MGC142296, PD-L1, PDCD1L1, PDCD1LG1, PDL1
Gene Description	CD274 molecule
Omim ID	605402
Gene Ontology	Hyperlink
Other Designations	CD274 antigen|OTTHUMP00000021029|programmed cell death 1 ligand 1

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Publication Reference

- What Do We Have to Know about PD-L1 Expression in Prostate Cancer? A Systematic Literature Review. Part 7: PD-L1 Expression in Liquid Biopsy.

  Andrea Palicelli, Martina Bonacini, Stefania Croci, Alessandra Bisagni, Eleonora Zanetti, Dario De Biase, Francesca Sanguedolce, Moira Ragazzi, Magda Zanelli, Alcides Chaux, Sofia Cañete-Portillo, Maria Paola Bonasoni, Stefano Ascani, Antonio De Leo, Jatin Gandhi, Alessandro Tafuni, Beatrice Melli.

  Review J Pers Med. 2021 Dec 6;11(12):1312. doi: 10.3390/jpm11121312. 2021 Dec; 11(12):1312.

  Application: FISH-Ce, Human, Prostate cancer cells

Pathway

- Cell adhesion molecules (CAMs)

Disease

- Addison Disease
- Arthritis
- Autoimmune Diseases
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Graves Disease
- Lupus Erythematosus
- Multiple Sclerosis
- Narcolepsy
- Rheumatoid Nodule

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