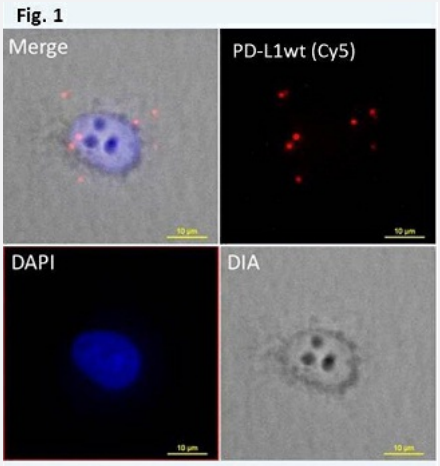
mutaFISH™ PD-L1wt RNA Probes

Catalog # FP0019 Size 1 Probe Set

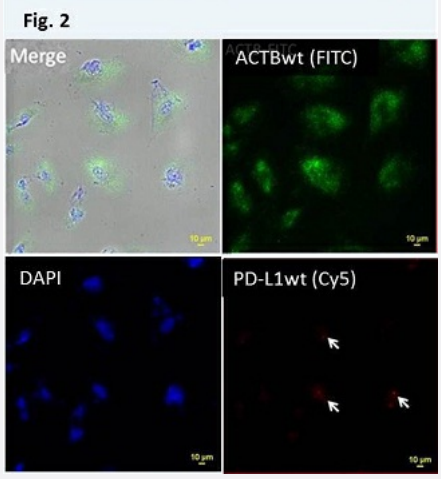
Applications

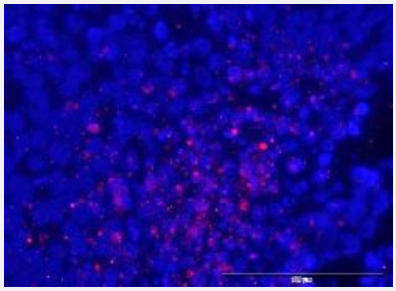


mutation specific, Fluorescence *In Situ* Hybridization (Cells)

Fig.1 mutaFISH™ staining was performed *in situ* in human H1975 cells. PD-L1 wildtype was detected via red signal (Cy5).

Fig.2 mutaFISH™ staining was performed *in situ* in human A549 cells. PD-L1 wildtype was not detected via red signal (Cy5).





mutation specific, Fluorescence *In Situ* Hybridization (FFPE Tissue)

mutaFISH™ staining was performed *in situ* in mouse FFPE PD-L1 293T tissue. PD-L1 gene was detected via red signal (Texas Red X).

Specification

Product Description	mutaFISH™ PD-L1wt RNA Probes is designed to detect human PD-L1 gene on single strand RNA in cells using padlock probe and *in situ* rolling-circle amplification technology.
Reactivity	Human
Supplied Product	Content: 1. RT PD-L1 Primer 2. mutaFISH™ PD-L1wt RNA Probe 3. Detection Probe-Texas Red X
Technology	mutaFISH™ (mutation-specific Fluorescence *In Situ* Hybridization)
Comparison	FISH Probes vs mutaFISH™ Probes
Fluorophore	Texas Red X (Excitation Peak (nm): 595; Emission Peak 613)
Probe Position	
Regulatory Status	For research use only (RUO)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	We recommend mutaFISH™ RNA Accessory Kit (Catalog #: KA4915) which provides necessary reagents and enzymes for *in situ* reverse transcription, RNA digestion, mutaFISH™ hybridization, ligation and amplication prior to mutaFISH™.
Video	

Applications

- mutation specific, Fluorescence *In Situ* Hybridization (Cells)

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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

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