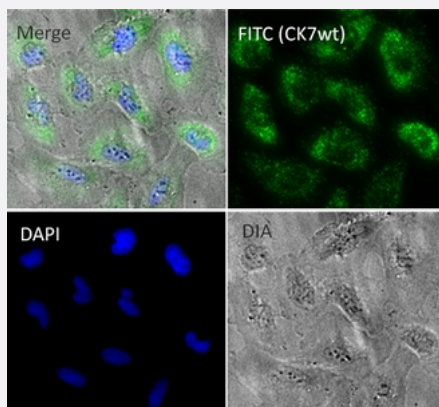


mutaFISH™ CK7wt RNA Probes

Catalog # FP0027

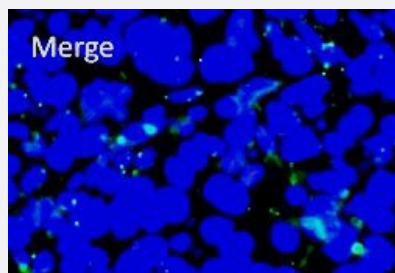
Size 1 Probe Set

Applications



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

mutaFISH™ staining was performed *in situ* in human HeLa cells. CK7 gene was detected via green signal (FITC).



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

mutaFISH™ staining was performed *in situ* in mouse FFPE CK7 HeLa tissue. CK7 gene was detected via green signal (FITC).

Specification

Product Description

mutaFISH™ CK7wt RNA Probes is designed to detect human CK7 gene on single strand RNA in cells using padlock probe and *in situ* rolling-circle amplification technology.

Reactivity

Human

Supplied Product	Content: 1. RT CK7 Primer 2. mutaFISH™ CK7 RNA Probe 3. Detection Probe-FITC
Technology	mutaFISH™ (mutation-specific Fluorescence <i>In Situ</i> Hybridization)
Comparison	FISH Probes vs mutaFISH™ Probes
Fluorophore	FITC (Excitation Peak (nm): 495; Emission Peak (nm): 519)
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 <i>in situ</i> reverse transcription, RNA digestion, mutaFISH™ hybridization, ligation and amplification prior to mutaFISH™.

Video

Applications

- mutation specific, Fluorescence *In Situ* Hybridization (Cells)
mutaFISH™ staining was performed *in situ* in human HeLa cells. CK7 gene was detected via green signal (FITC).
- mutation specific, Fluorescence *In Situ* Hybridization (FFPE Tissue)
mutaFISH™ staining was performed *in situ* in mouse FFPE CK7 HeLa tissue. CK7 gene was detected via green signal (FITC).

Gene Info — KRT7

Entrez GeneID	3855
Gene Name	KRT7
Gene Alias	CK7, K2C7, K7, MGC129731, MGC3625, SCL
Gene Description	keratin 7
Omim ID	148059
Gene Ontology	Hyperlink
Gene Summary	<p>The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratins are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants; however, not all variants have been fully described. [provided by RefSeq]</p>
Other Designations	cytokeratin 7 keratin, 55K type II cytoskeletal keratin, simple epithelial type I, K7 keratin, type II cytoskeletal 7 sarcolectin type II mesothelial keratin K7