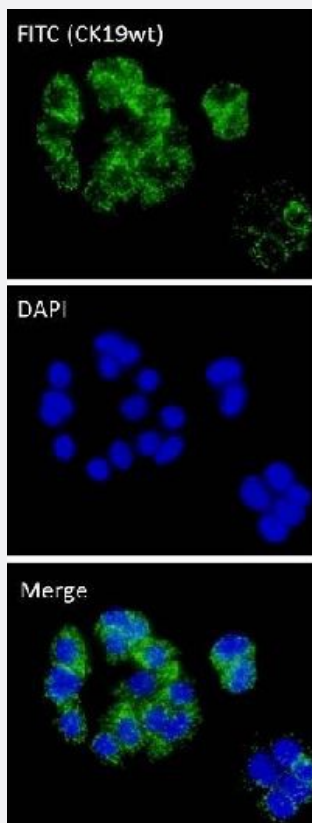


mutaFISH™ CK19wt RNA Probes

Catalog # FP0029

Size 1 Probe Set

Applications



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

mutaFISH™ staining was performed *in situ* in MCF7 cells. CK19 gene was detected via green signal (FITC).

Specification

Product Description

mutaFISH™ CK19wt RNA Probes is designed to detect human CK19 gene on single strand RNA in cells using padlock probe and *in situ* rolling-circle amplification technology.

Reactivity

Human

Supplied Product	Content: 1. RT CK19 Primer 2. mutaFISH™ CK19 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 MCF7 cells. CK19 gene was detected via green signal (FITC).

Gene Info — KRT19

Entrez GeneID	3880
Gene Name	KRT19

Gene Alias	CK19, K19, K1CS, MGC15366
Gene Description	keratin 19
Omim ID	148020
Gene Ontology	Hyperlink
Gene Summary	<p>The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21. [provided by RefSeq]</p>
Other Designations	40-kDa keratin intermediate filament cytokeratin 19 keratin, type I cytoskeletal 19 keratin, type I, 40-kd

Disease

- [Liver Cirrhosis](#)