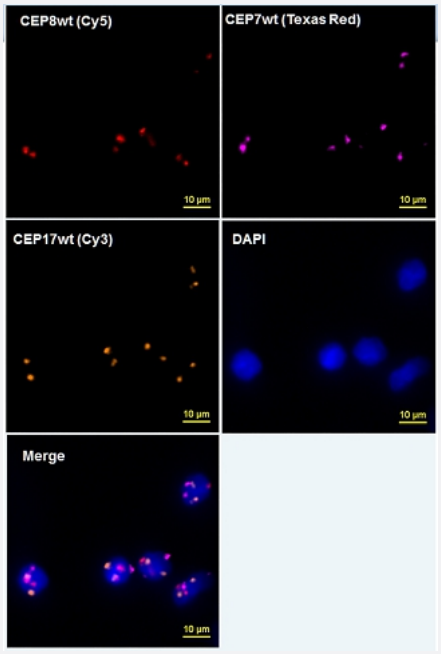
mutaFISH™ CEP1wt CEP7wt CEP8wt CEP17wt DNA Probes

Catalog # FP0009 Size 1 Probe Set

Applications



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

mutaFISH™ staining was performed *in situ* in human PBMC cells. CEP7 was detected via purple signal (Texas Red, recolored), CEP8 was detected via red signal (Cy5) and CEP17 was detected via orange signal (Cy3).

Specification

Product Description	mutaFISH™ CEP1wt CEP7wt CEP8wt CEP17wt DNA Probes is designed to identify human CEP1, CEP7, CEP8, CEP17 amplification on dsDNA in cells using padlock probe and *in situ* rolling-circle amplification technology.
Reactivity	Human

Supplied Product	Content: 1. mutaFISH™ CEP1wt DNA Probe 2. mutaFISH™ CEP7wt DNA Probe 3. mutaFISH™ CEP8wt DNA Probe 4. mutaFISH™ CEP17wt DNA Probe 5. Detection Probe-FITC 6. Detection Probe-6-HEX 7. Detection Probe-Texas Red X 8. Detection Probe-Aqua 431
Technology	mutaFISH™ (mutation-specific Fluorescence *In Situ* Hybridization)
Comparison	FISH Probes vs mutaFISH™ Probes
Fluorophore	FITC (Excitation Peak (nm): 495; Emission Peak (nm): 519) 6-HEX (Excitation Peak (nm): 533; Emission Peak (nm): 559) Texas Red X (Excitation Peak (nm): 595; Emission Peak 613) Aqua 431 (Excitation Peak (nm): 431; Emission Peak (nm): 480)
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™ DNA Accessory Kit 2 for Cells (Catalog #: KA4928) which provides necessary reagents and enzymes for *in situ* restriction digestion, exonucleolysis, mutaFISH™ hybridization, ligation and amplification prior to mutaFISH™.
Video	

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