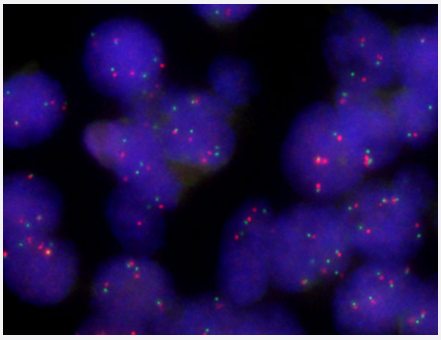
MERTK/CEN2q FISH Probe

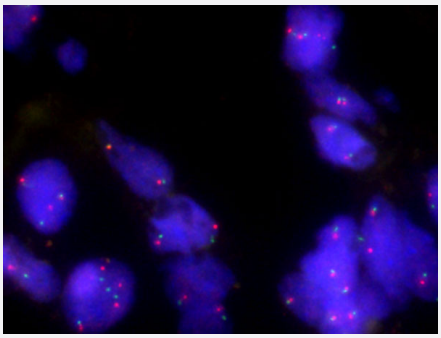
Catalog # FG0089 Size 200 uL, 100 uL

Applications



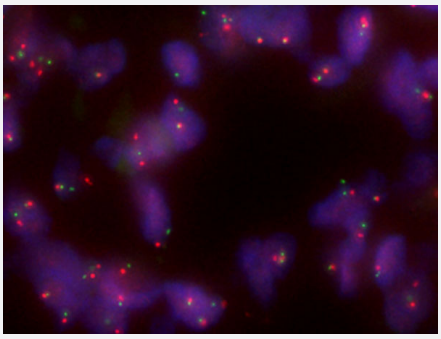
Fluorescent *In Situ* Hybridization (Formalin/PFA-fixed paraffin-embedded sections)

Human lung adenocarcinoma (FFPE) stained with MER/CEN2q FISH Probe. Human lung adenocarcinoma showed no MER gene amplification.



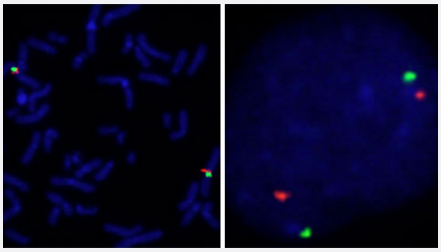
Fluorescent *In Situ* Hybridization (Formalin/PFA-fixed paraffin-embedded sections)

Human renal cell carcinoma (FFPE) stained with MER/CEN2q FISH Probe. Human renal cell carcinoma showed no MER gene amplification.



Fluorescent *In Situ* Hybridization (Formalin/PFA-fixed paraffin-embedded sections)

Human hepatocellular carcinoma (FFPE) stained with MER/CEN2q FISH Probe. Human hepatocellular carcinoma showed no MER gene amplification.



Hybridization position of the probes on the chromosome:

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Specification

Product Description	Labeled FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization T echnique. (Technology).
Probe 1	**Name:** MERTK **Size:** Approximately 290kb **Fluorophore:** TexRed **Location:** 2q13
Probe 2	**Name:** CEN2q **Size:** Approximately 580kb **Fluorophore:** FITC **Location:** 2q11.2
Probe Gap	The gap between two probes is approximately 13560 kb.
Origin	Human
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 Product	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:

Applications

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

- Fluorescent *In Situ* Hybridization (Formalin/PFA-fixed paraffin-embedded sections)

  Human lung adenocarcinoma (FFPE) stained with MER/CEN2q FISH Probe. Human lung adenocarcinoma showed no MER gene amplification.

  Protocol Download

- Fluorescent *In Situ* Hybridization (Formalin/PFA-fixed paraffin-embedded sections)

  Human renal cell carcinoma (FFPE) stained with MER/CEN2q FISH Probe. Human renal cell carcinoma showed no MER gene amplification.

  Protocol Download

- Fluorescent *In Situ* Hybridization (Formalin/PFA-fixed paraffin-embedded sections)

  Human hepatocellular carcinoma (FFPE) stained with MER/CEN2q FISH Probe. Human hepatocellular carcinoma showed no MER gene amplification.

  Protocol Download

Gene Info — MERTK

Entrez GeneID	10461
Gene Name	MERTK
Gene Alias	MER, MGC133349, RP38, c-mer
Gene Description	c-mer proto-oncogene tyrosine kinase

Omim ID	268000 604705
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the MER/AXL/TYRO3 receptor kinase family and encodes a transmembrane protein with two fibronectin type-III domains, two Ig-like C2-type (immunoglobulin-like) domains, and one tyrosine kinase domain. Mutations in this gene have been associated with disruption of the retinal pigment epithelium (RPE) phagocytosis pathway and onset of autosomal recessive retinitis pigmentosa (RP). [provided by RefSeq
Other Designations	MER receptor tyrosine kinase|STK kinase

Disease

- Carotid Artery Diseases
- Genetic Predisposition to Disease
- Kidney Failure
- Leukopenia
- Lupus Erythematosus
- Lymphopenia
- Retinal Diseases
- Retinitis Pigmentosa
- Stroke
- Tobacco Use Disorder