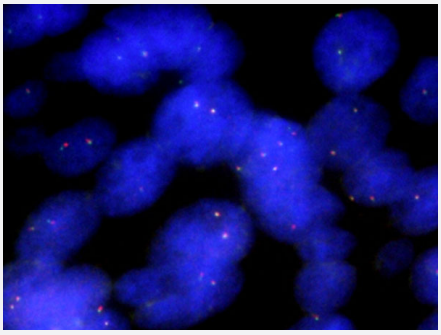
SYT Split FISH Probe

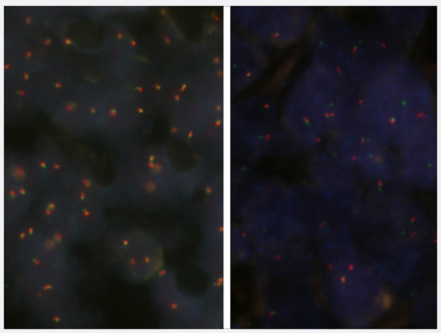
Catalog # FS0002 Size 100 uL, 200 uL

Applications



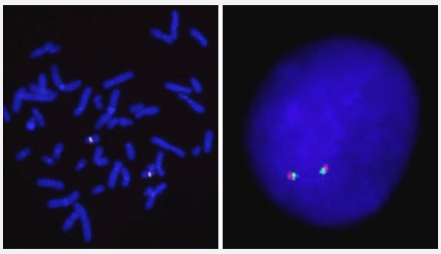
Fluorescent *In Situ* Hybridization (Formalin/PFA-fixed paraffin-embedded sections)

Human lung, adenosquamous cell carcinoma (FFPE) stained with SYT Split FISH Probe. Human lung, adenosquamous cell carcinoma showed no SYT gene split.



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

Human sarcoma (FFPE) stained with SYT Split FISH Probe. Left: Human sarcoma showed no SYT gene split. Right: Human sarcoma showed SYT gene split.



Hybridization position of the probes on the chromosome.

Hybridization position of the probes on the chromosome.

Specification

Product Description	Labeled FISH probes for identification of gene split using Fluorescent In Situ Hybridization Technique. (Technology).
Probe 1	**Name:** SYT(FITC) **Size:** Approximately 700kb **Fluorophore:** FITC **Location:** 18q11.2
Probe 2	**Name:** SYT(Texas Red) **Size:** Approximately 500kb **Fluorophore:** Texas Red **Location:** 18q11.2
Probe Gap	The gap between two probes is approximately 110 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 left 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, adenosquamous cell carcinoma (FFPE) stained with SYT Split FISH Probe. Human lung, adenosquamous cell carcinoma showed no SYT gene split.

  Protocol Download

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

  Human sarcoma (FFPE) stained with SYT Split FISH Probe. Left: Human sarcoma showed no SYT gene split. Right: Human sarcoma showed SYT gene split.

  Protocol Download

Gene Info — SS18

Entrez GeneID	6760
Gene Name	SS18
Gene Alias	MGC116875, SSXT, SYT, SYT-SSX1, SYT-SSX2
Gene Description	synovial sarcoma translocation, chromosome 18
Omim ID	600192
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	SSXT/SSX4v fusion|SYT/SSX4v fusion protein|synovial sarcoma, translocated to X chromosome

Publication Reference

- Detection of SYT and EWS gene rearrangements by dual-color break-apart CISH in liquid-based cytology samples of synovial sarcoma and Ewing sarcoma/primitive neuroectodermal tumor.

  Kumagai A, Motoi T, Tsuji K, Imamura T, Fukusato T.

  American Journal of Clinical Pathology 2010 Aug; 134(2):323.

  Application: FISH, Human, Human synovial sarcoma

- Diagnostic utility of dual-color break-apart chromogenic in situ hybridization for the detection of rearranged SS18 in formalin-fixed, paraffin-embedded synovial sarcoma.

  Motoi T, Kumagai A, Tsuji K, Imamura T, Fukusato T.

  Human Pathology 2010 Oct; 41(10):1397.

  Application: FISH-P, Human, Human synovial sarcoma