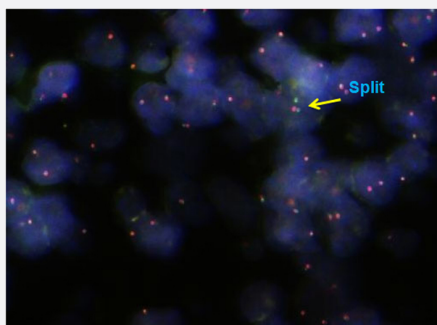


PDGFRB Split FISH Probe

Catalog # FS0007

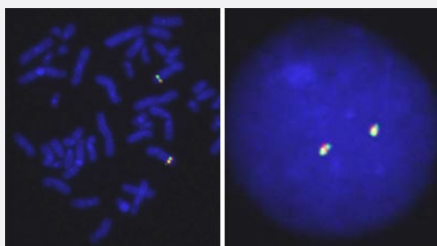
Size 200 uL, 100 uL

Applications



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

Human lymph node (FFPE) stained with PDGFRB Split FISH Probe. Human lymph node showed PDGFRB 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: PDGFRB(Texas Red) Size: Approximately 380kb Fluorophore: Texas Red Location: 5q33
Probe 2	Name: PDGFRB(FITC) Size: Approximately 560kb Fluorophore: FITC Location: 5q33
Probe Gap	The gap between two probes is approximately 0 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 lymph node (FFPE) stained with PDGFRB Split FISH Probe. Human lymph node showed PDGFRB gene split.

[Protocol Download](#)

Gene Info — PDGFRB

Entrez GeneID	5159
Gene Name	PDGFRB
Gene Alias	CD140B, JTK12, PDGF-R-beta, PDGFR, PDGFR1
Gene Description	platelet-derived growth factor receptor, beta polypeptide
Omim ID	131440 173410
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. This gene is flanked on chromosome 5 by the genes for granulocyte-macrophage colony-stimulating factor and macrophage-colony stimulating factor receptor; all three genes may be implicated in the 5-q syndrome. A translocation between chromosomes 5 and 12, that fuses this gene to that of the translocation, ETV6, leukemia gene, results in chronic myeloproliferative disorder with eosinophilia. [provided by RefSeq]
Other Designations	beta platelet-derived growth factor receptor platelet-derived growth factor receptor beta soluble PDGFRb variant 1

Pathway

- [Calcium signaling pathway](#)
- [Colorectal cancer](#)
- [Cytokine-cytokine receptor interaction](#)
- [Focal adhesion](#)
- [Gap junction](#)
- [Glioma](#)
- [MAPK signaling pathway](#)
- [Melanoma](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)

- [Regulation of actin cytoskeleton](#)

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
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- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)
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- [Metabolic Syndrome X](#)
- [Neoplasms](#)
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