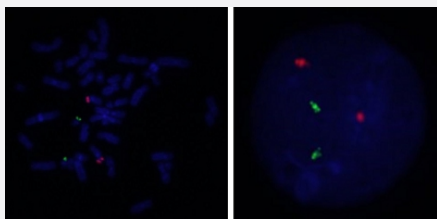


# NFIB/TCF3 SY Translocation FISH Probe

Catalog # FT0014      Size 200 uL, 100 uL

## Applications



Hybridization position of the probes on the chromosome:

Hybridization position of the probes on the chromosome:

## Specification

|                            |                                                                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Labeled FISH probes for identification of gene translocation using Fluorescent In Situ Hybridization Technique. ( <a href="#">Technology</a> ). |
| <b>Probe 1</b>             | <b>Name:</b> NFIB<br><b>Size:</b> Approximately 500kb<br><b>Fluorophore:</b> Texas Red<br><b>Location:</b> 9p24.1                               |
| <b>Probe 2</b>             | <b>Name:</b> TCF3<br><b>Size:</b> Approximately 720kb<br><b>Fluorophore:</b> FITC<br><b>Location:</b> 19p13.3                                   |
| <b>Origin</b>              | Human                                                                                                                                           |

|                         |                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Source                  | Genomic DNA                                                                                                                                                                                                                   |
| Reactivity              | Human                                                                                                                                                                                                                         |
| Form                    | Liquid                                                                                                                                                                                                                        |
| Notice                  | We <b>strongly recommend</b> the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: <a href="#">KA2375</a> or <a href="#">KA2691</a> ) 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:<br>Hybridization position of the probes on the chromosome:                                                                                                            |

## Applications

- Fluorescent In Situ Hybridization (Cell)

[Protocol Download](#)

## Gene Info — NFIB

|                    |                                       |
|--------------------|---------------------------------------|
| Entrez GeneID      | <a href="#">4781</a>                  |
| Gene Name          | NFIB                                  |
| Gene Alias         | HMGIC/NFIB, NFI-RED, NFIB2, NFIB3     |
| Gene Description   | nuclear factor I/B                    |
| Omim ID            | <a href="#">600728</a>                |
| Gene Ontology      | <a href="#">Hyperlink</a>             |
| Other Designations | OTTHUMP00000022765 OTTHUMP00000044928 |

## Gene Info — TCF3

|                    |                                                                                                                                                                                                                                                                             |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">6929</a>                                                                                                                                                                                                                                                        |
| Gene Name          | TCF3                                                                                                                                                                                                                                                                        |
| Gene Alias         | E2A, ITF1, MGC129647, MGC129648, bHLHb21                                                                                                                                                                                                                                    |
| Gene Description   | transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47)                                                                                                                                                                                                |
| Omim ID            | <a href="#">147141</a>                                                                                                                                                                                                                                                      |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                   |
| Gene Summary       | The TCF3 gene, also called E2A, encodes 2 basic helix-loop-helix (bHLH) transcription factors, E 12 and E47, through alternative splicing. E12 and E47 are involved in regulation of immunoglobulin gene expression (Bain et al., 1994 [PubMed 8001125]).[supplied by OMIM] |
| Other Designations | E2A immunoglobulin enhancer-binding factor E12/E47 immunoglobulin transcription factor 1 kappa-E2-binding factor transcription factor 3 transcription factor E2-alpha                                                                                                       |

## Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)