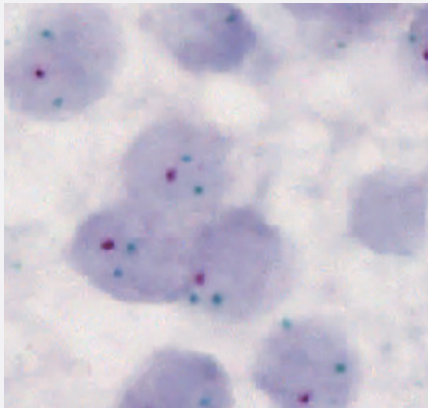


1p36/1q25 CISH Probe

Catalog # CG0002

Size 400 uL

Applications



Chromogenic *In Situ* Hybridization (FFPE Tissue)

Glioma tissue section with 1p36 deletion as indicated by one red signal in each nucleus.

Specification

Product Description

1p36/1q25 CISH Probe is designed for the qualitative detection of human chromosome 1p36.31 deletions and the detection of 1q25.3 specific sequences in formalin-fixed, paraffin-embedded specimens by chromogenic *in situ* hybridization (CISH).

Reactivity

Human

Recommend Usage

The product is ready-to-use. No reconstitution, mixing, or dilution is required. Bring probe to room temperature (18-25°C) and mix briefly before use.

Supplied Product

Reagent Provided:

This Probe is composed of:

1. Dinitrophenyl-labeled polynucleotides, which target sequences mapping in 1p36.31* (chr1:5,808,946-6,176,336).
2. Digoxigenin-labeled polynucleotides, which target sequences mapping in 1q25.3* (chr1:184,562,510-184,752,938).
3. Formamide based hybridization buffer.

*according to Human Genome Assembly GRCh37/hg19

Probe Position

Regulatory Status

For research use only (RUO)

Storage Instruction

Store at 2-8°C in an upright position. Return to storage conditions immediately after use.

Note

The probe is intended to be used in combination with the CISH Implementation Kit 2 (Catalog #: [KA5366](#)), which provides necessary reagents for specimen pretreatment and post-hybridization processing.

Interpretation of results:

Using the CISH Implementation Kit 2 (Cat # KA5366), hybridization signals of Digoxigenin-labeled polynucleotides appear as dark green colored distinct dots (1q25 locus), and Dinitrophenyl-labeled polynucleotides appear as bright red colored distinct dots (1p36 locus).

Normal situation: In interphases of normal cells or cells without deletion involving the 1p36 locus, two distinct dot-shaped red and two distinct dot-shaped green signals appear.

Aberrant situation: In a cell with deletion affecting the 1p36 locus, a reduced number of red signals will be observed. Deletions affecting only parts of the 1p36 locus might result in a normal signal pattern with red signals of reduced size.

Overlapping signals may appear as brown signals.

Other signal patterns than those described above may be observed in some abnormal samples. These unexpected signal patterns should be further investigated.

Interpretation of Result

Applications

- Chromogenic *In Situ* Hybridization (FFPE Tissue)

Glioma tissue section with 1p36 deletion as indicated by one red signal in each nucleus.