CytoCell

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A Sysmex Group Company

myProbes Passport (RUO Probes)

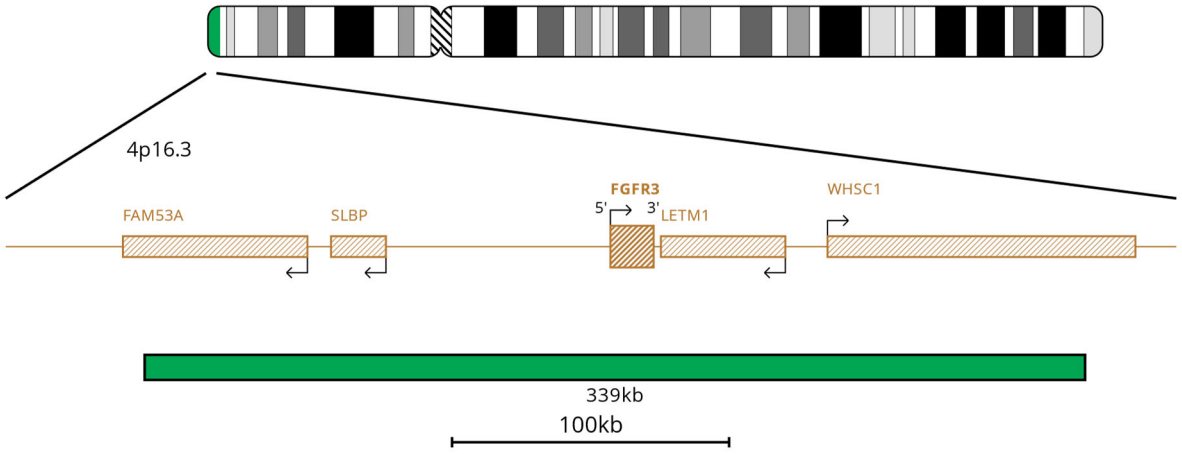
MPH51210	Tri-Colour IGH/FGFR3/CCND1 (MYEOV) Dual Fusion Probe *For Research Use Only*

Nucleotide Locations (If requesting more than one probe please specify individual probe colours)

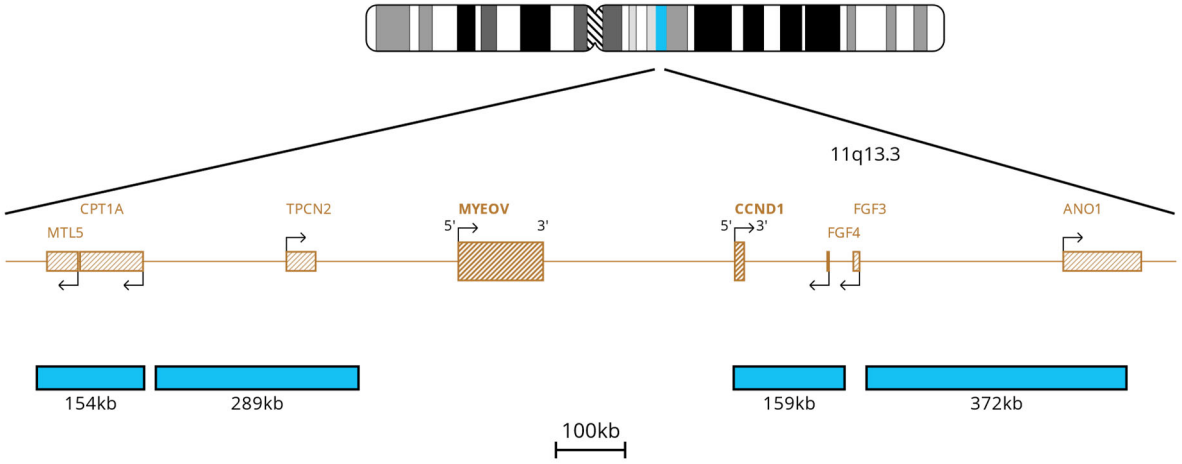
	Chromosome Locus	Start	End	Colour
1	14q32.33	105639058	105802170	RED
2	14q32.33	105788920	105998427	RED
3	14q32.33	106667215	106795978	RED
4	14q32.33	106782750	106874173	RED
5	14q32.33	106841162	106991517	RED
6	14q32.33	106995083	107135809	RED
7	14q32.33	107077128	107174326	RED
8	14q32.33	107160170	107267432	RED
9	14q32.33	17258048	107284022	RED
10	4p16.3	1627471	1745211	GREEN
11	4p16.3	1705480	1824461	GREEN
12	4p16.3	1815269	1966224	GREEN
13	11q13.3	68460458	68614779	AQUA
14	11q13.3	68630147	68795648	AQUA
15	11q13.3	68763852	68919239	AQUA
16	11q13.3	69454320	69613742	AQUA
17	11q13.3	69643792	69862233	AQUA
18	11q13.3	69840561	70015766	AQUA

Database Used and Version	GRCh37 (hg19)

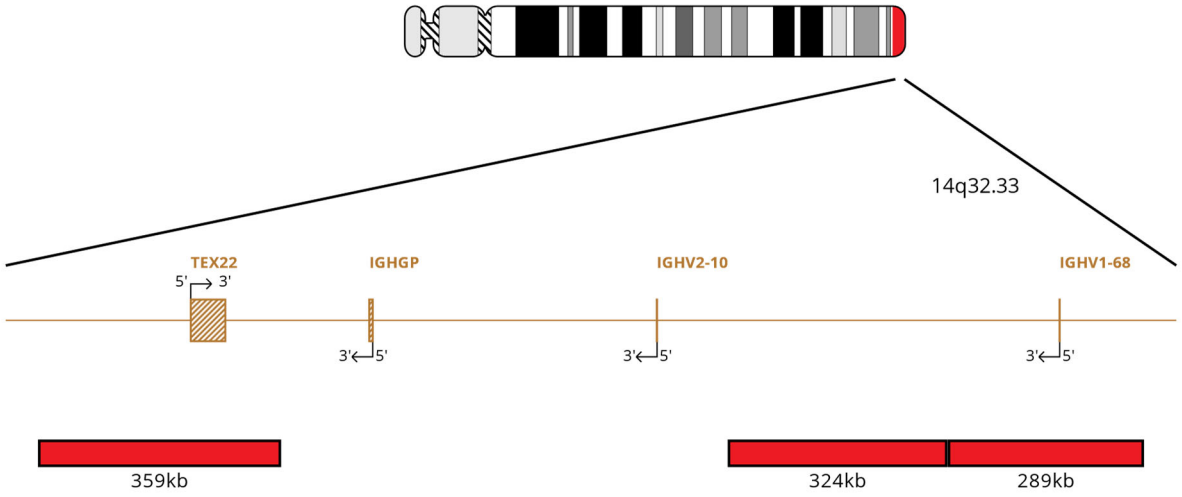
Probe Map



MPH51210 v001



MPH51210 v001



MPH51210 v001

Materials Provided

1. **Probe:** 100 µl per vial
   The probe is provided pre-mixed in hybridisation solution (Formamide; Dextran Sulphate; SSC) and is ready to use. It is directly labelled with a red fluorophore, which lies in the Texas Red Spectrum, a green fluorophore, which lies in the FITC Spectrum and an aqua fluorophore, which lies in the Aqua Spectrum. The probe has been batch released after QC testing on Bone Marrow Sample.

2. **Counterstain:** 150 µl per vial. The counterstain is DAPI antifade (ES: 0.125µg/ml DAPI (4,6-diamidino-2-phenylindole)).

Warnings and Precautions

1. For research use only. Not for use in diagnostic procedures.
2. For laboratory professional use only.
3. Probe mixtures contain formamide, which is a teratogen; do not breathe fumes or allow skin contact. Handle with care; wear gloves and a lab coat.
4. DAPI is a potential carcinogen. Handle with care; wear gloves and a lab coat.
5. Follow local disposal regulations for your location along with recommendations in the Safety Data Sheet to determine the safe disposal of this product. This also applies to damaged test kit contents.
6. Dispose of all used reagents and any other contaminated disposable materials following procedures for infectious or potentially infectious waste. It is the responsibility of each laboratory to handle solid and liquid waste according to their nature and degree of hazardousness and to treat and dispose of them (or have them treated and disposed of) in accordance with any applicable regulations.
7. Operators must be capable of distinguishing the colours red, blue, and green.
8. The probe should not be diluted or mixed with other probes.
9. All products should be validated before use.
10. Internal controls should be carried out by using unaffected cell populations in testing samples.
11. Custom probes are specifically developed for individual customers' RESEARCH USE ONLY (RUO) requirements and not with the intention of being used for in vitro diagnostic examination. Therefore, prior to any use of these probes, users should review the design of such probes to confirm they are suitable for their requirements.

Storage and Handling

1. Store the probe between -25ºC to -15ºC.
2. Based on the stability established for other substantially equivalent CytoCell probes, this myProbes product should be stable for 2 years post manufacture date when stored as indicated on the label.
3. Store the probe and counterstain vials in the dark. Ensure that exposure of the probe and counterstain to laboratory lights is limited at all times.

Known Cross-Reactivity

Cross hybridisation may be observed at QC release on the sample type specified on the Texas Red to 15q11.2 and 16p11.2.

Customer Support

Please contact the CytoCell Technical Support Department or email probes@cytocell.com.

Patents and Trademarks

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