CytoCell

A Sysmex Group Company

myProbes Passport (RUO Probes)

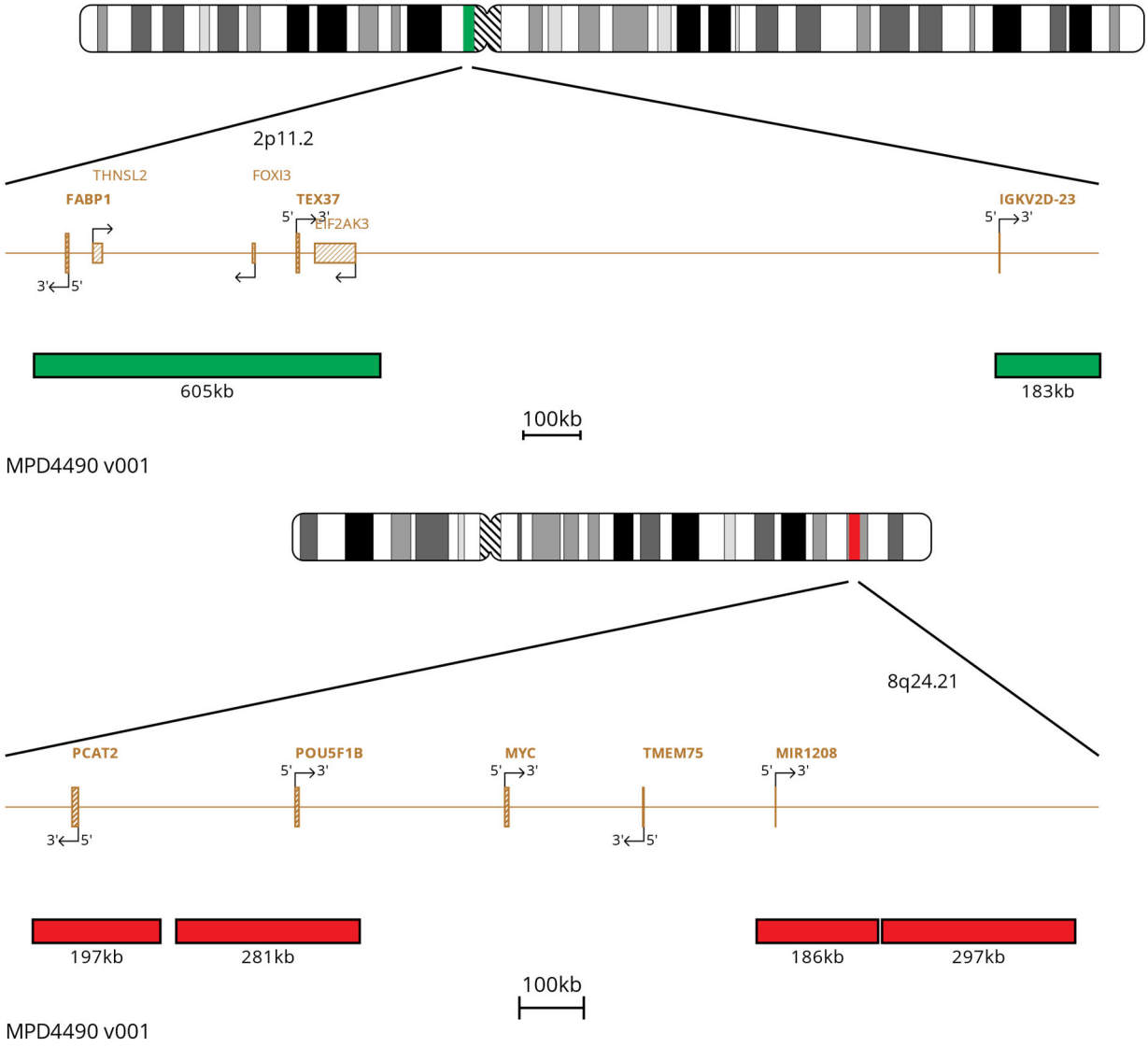
MPD4490	IGK/c-MYC Dual Fusion Probe *For Research Use Only*

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

	Chromosome Locus	Start	End	Colour
1	2p11.2	90041858	90133446	Green
2	2p11.2	90091899	90225173	Green
3	2p11.2	88367335	88531101	Green
4	2p11.2	88474212	88671283	Green
5	2p11.2	88593838	88788530	Green
6	2p11.2	88745902	88898657	Green
7	2p11.2	88847110	88971954	Green
8	8q24.21	128024775	128221731	Red
9	8q24.21	128248316	128421244	Red
10	8q24.21	128403588	128525786	Red
11	8q24.21	129133378	129319741	Red
12	8q24.21	129325404	129501507	Red
13	8q24.21	129473930	129622484	Red

Database Used and Version	GRCh37 (hg19)

Probe Map



Materials Provided

1. **Probe:** 100µl 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. The probe has been batch released after QC testing on Formalin Fixed Paraffin Embedded Sample and a Bone Marrow sample.

2. **Counterstain:** 150µl 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

No cross hybridisation observed at QC release on the sample type specified.

Customer Support

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

Patents and Trademarks

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