

myProbes Passport (RUO Probes)

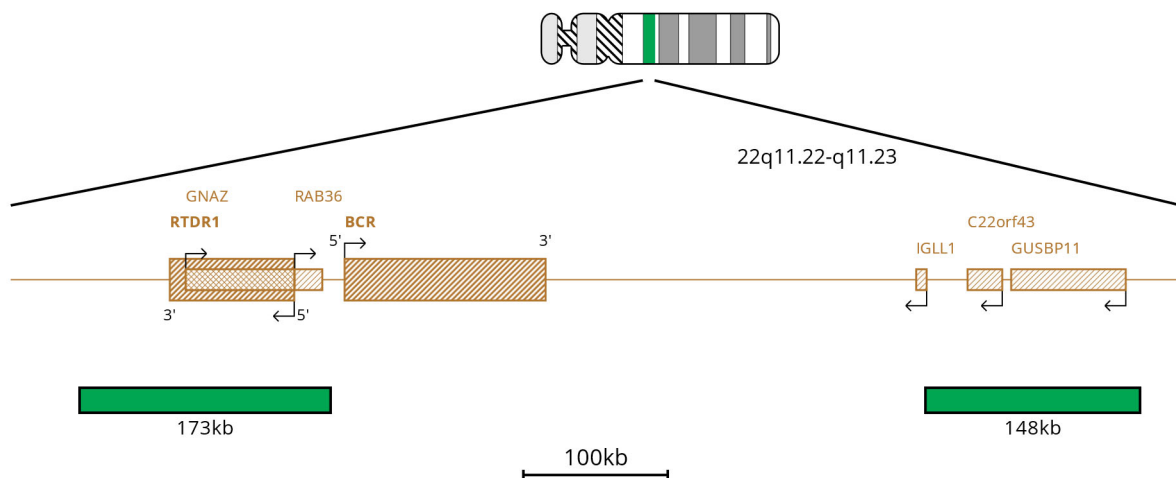
MPH49810
BCR/ABL1/CBFB Breakapart/ Dual Fusion Probe
For Research Use Only
Nucleotide Locations (If requesting more than one probe please specify individual probe colours)

	Chromosome Locus	Start	End	Colour
1	22q11.22-22q11.23	23339473	23512581	GREEN
2	22q11.23	23921657	24069466	GREEN
3	9q34.11	133223061	133396083	RED
4	9q34.11-9q34.12	133480545	133654007	RED
5	9q34.12	133641401	133828473	RED
6	16q22.1	66764561	66935251	AQUA
7	16q22.1	66928102	67056833	AQUA
8	16q22.1	67177109	67381555	GOLD
9	16q22.1	67355491	67486311	GOLD

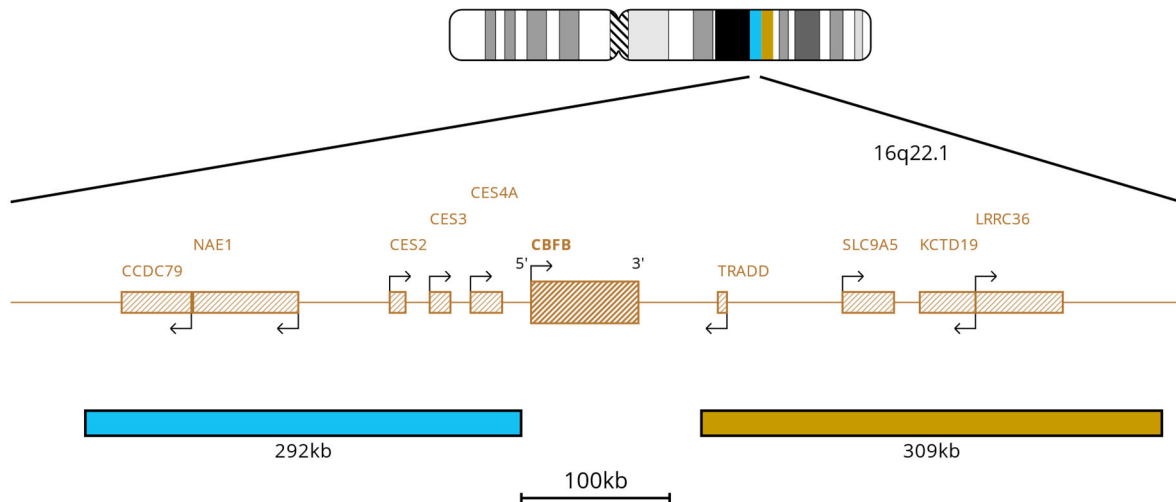
Database Used and Version

GRCh37 (hg19)

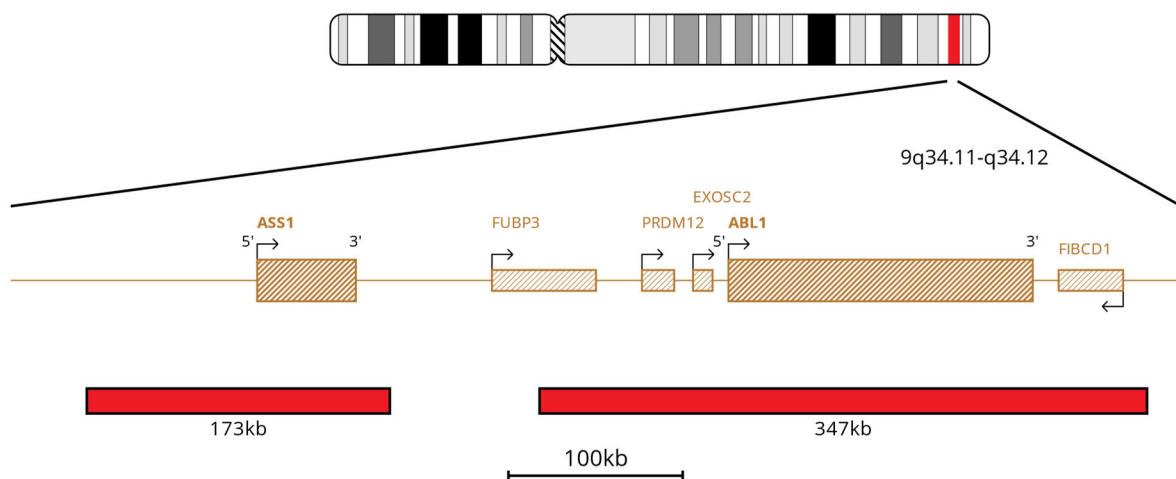
Probe Map



MPH49810 v001



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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, a gold fluorophore, which lies in the Gold 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 -25°C to -15°C.
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 maybe observed at QC release on the sample type specified, in FITC to 7q11.2.

Customer Support

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

Patents and Trademarks

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