

## myProbes Passport (RUO Probes)

<b>MPH55320</b>	<b>IGH/CEBPE Dual Fusion Probe</b> <i>For Research Use Only</i>
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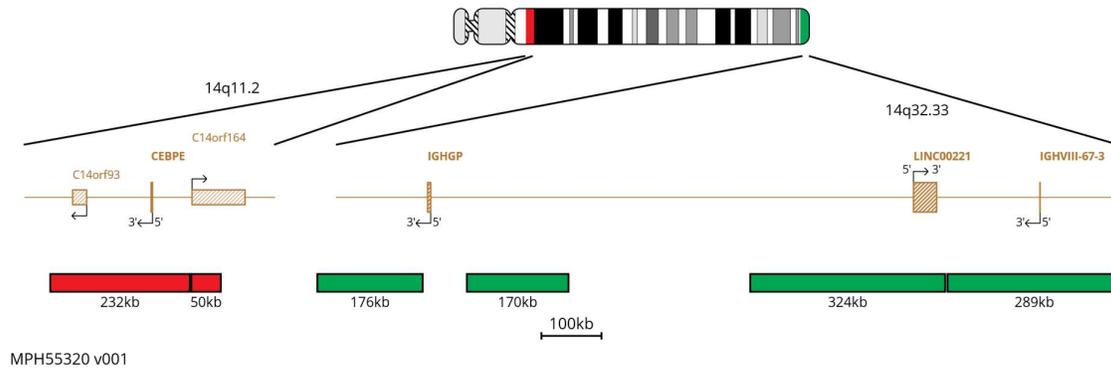
### Nucleotide Locations

	Chromosome Locus	Start	End	Colour
1	14q11.2	23477844	23651426	RED
2	14q11.2	23418929	23564528	RED
3	14q11.2	23653254	23703576	RED
4	14q32.33	105947801	106124038	GREEN
5	14q32.33	106196304	106366105	GREEN
6	14q32.33	106667209	106820849	GREEN
7	14q32.33	106782750	106874173	GREEN
8	14q32.33	106841143	106991527	GREEN
9	14q32.33	106995077	107135809	GREEN
10	14q32.33	107077121	107174332	GREEN
11	14q32.33	107159169	107268435	GREEN
12	14q32.33	107258048	107284028	GREEN

Database Used and Version

GRCh37(hg19)

## Probe Map



## 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 and a green fluorophore which lies in FITC 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 observed at QC release on the sample type specified in FITC on the centromeric regions of chromosomes 15q11.2 and 16p11.2.

### Customer Support

Please contact the CytoCell Technical Support Department or email [probes@cytocell.com](mailto:probes@cytocell.com).

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