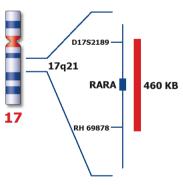
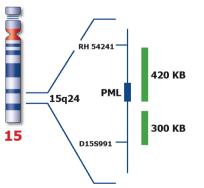
| Cat Nr/REF: KBI-1030 | | | | |
|----------------------------|---|---|---|---------------------|
| English | For professional use only | | | |
| Poseido | n™ Repeat Free™ P | ML/RARA t(15;17) | Fusion probe | |
| Introduction: | including the translocation t(leukemia (PML) gene on chi | L) is characterized by several 15;17)(q24;q21). This transloc omosome 15 and the retinoid h t(15;17) are usually assigne | ation juxtaposes the promy acid receptor-alpha (RARA | elocytic A) gene |
| Intended use: | The PML/RARA t(15;17)(q24;q21) specific DNA Probe is optimized to detect the reciprocal translocation t(15;17) in a dual-color, dual-fusion assay on metaphase/interphase spreads, blood smears and bone marrow cells. | | | |
| | The probe is recommended to be used in combination with a Poseidon FISH Kit providing necessary reagents to perform FISH (KBI-60002, KBI-60003 or KBI-60001) for optimal results. | | | |
| Critical region 1 (red): | The RARA (17q21) specific DNA probe is direct-labeled with PlatinumBright550. | | | |
| Critical region 2 (green): | The PML (15q24) control DNA probe is direct-labeled with PlatinumBright495. | | | |
| Reagent: | Poseidon probes are direct-labeled DNA probes provided in a ready-to-use format. Apply 1 of probe to a sample area of approximately 22 x 22 mm. | | | |
| | Please refer to the Instructions for Use for the entire Poseidon FISH protocol. | | | |
| | Poseidon Repeat Free probes do not contain Cot-1 DNA. Hybridization efficiency therefore increased and background, due to unspecific binding, is highly reduced. | | | |
| Interpretation: | chromosomes der(15) and d | bbe is designed as a dual-fusi er(17) by two co-localized rec en (G) signals will identify th | l/green or yellow fusion sign | ials (F). |
| | Signal patterns other than those described above may indicate variant translocations, deletions on der(15) or der(17) or other complex rearrangements. Investigators are advised to analyze metaphase cells for the interpretation of atypical signal patterns. | | | |
| | | Normal Signal Pattern | t(15;17) | |
| | Expected Signals | 2R2G | 2F1R1G | |
| | | | | |

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