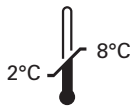
Kreatech™ FISH probes

Product Information Sheet

KI-10714

DDIT3 (12q13) Break

100 µl



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RUO - Research Use Only

Not for use in diagnostic procedures

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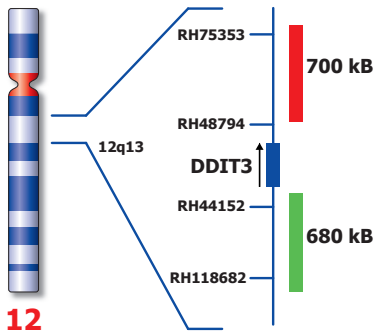

Not to scale

KI-10714

Kreatech™ DDIT3 (12q13) Break FISH probe

Introduction: The **DDIT3 (12q13) Break** FISH probe is optimized to detect translocations involving the DDIT3 (previously known as CHOP) gene region at 12q13 in a dual-color, split assay.

Critical region 1 (red): The **proximal DDIT3** gene region probe is direct-labeled with Platinum*Bright*™550.
Critical region 2 (green): The **distal DDIT3** gene region probe is direct-labeled with Platinum*Bright*™495.

Reagent: Kreatech probes are direct-labeled DNA probes provided in a ready-to-use format.
Apply 10 µl of probe to a sample area of approximately 22 x 22 mm.

Please refer to the Instructions for Use for the entire Kreatech FISH protocol.

Kreatech FISH probes are REPEAT-FREE™ and therefore do not contain Cot-1 DNA. Hybridization efficiency is increased and background, due to unspecific binding, is highly reduced.

Patterns: The **DDIT3 (12q13) Break** FISH probe is designed as a dual-color split probe for translocations at 12q13. A break is defined when a red/green or yellow fusion signal (F) splits into separate red and green signals. Only red and green signals which are more than one signal diameter apart from each other are counted as a break. Co-localized red/green or yellow signals identify the normal chromosome(s) 12.

Signal patterns other than those described above may indicate variant translocations or other complex rearrangements. Investigators are advised to analyze metaphase cells for the interpretation of atypical signal patterns.

	Normal Signal Pattern	12q13 Split
Expected Signals	2F	1F1R1G

References:
Panagopoulos et al, 1994, Cancer Res. 54; 6500-6503
Antonescu et al, 2000, J Mol Diagn. 2; 132-138.

Warning and precautions: In case of emergencies check SDS sheets for medical advice. SDS sheets may be obtained by either contacting Leica Technical Support or visiting www.LeicaBiosystems.com. DNA probes contain formamide which is a teratogen; do not inhale or allow skin contact. Wear gloves and a lab coat when handling DNA probes. All materials should be disposed of according to your institution's guidelines for hospital waste disposal.

Reagent Storage and Handling: Store at 2-8 °C. Reagents should not be used after the expiration date on the vial label.

TECHNICAL SUPPORT Technical support is available at www.LeicaBiosystems.com/service-support/technical-support/ or toll free at 800-248-0123 or via e-mail: kreatech-support@leicabiosystems.com.

CUSTOMER SERVICE Kreatech probes may be ordered through Leica Customer Service toll free at 800-248-0123 or order via e-mail: purchase.orders@leica-microsystems.com.