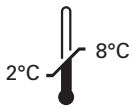
Kreatech™ FISH probes

Product Information Sheet

KI-10613

IRF4 / DUSP22 (6p25) Break

100 µl



Kreatech Biotechnology B.V.
Vlierweg 20
1032 LG Amsterdam
The Netherlands
www.LeicaBiosystems.com

RUO - Research Use Only

Not for use in diagnostic procedures

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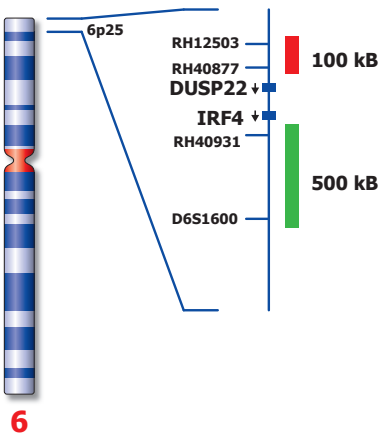

Not to scale

KI-10613

Kreatech™ IRF4 / DUSP22 (6p25) Break FISH probe

Introduction: The **IRF4 / DUSP22 (6p25) Break** FISH probe is optimized to detect translocations involving the IRF4 / DUSP22 gene region at the 6p25.3 locus in a dual-color assay.

Critical region 1 (red): The region distal to **IRF4 / DUSP22 (6p25)** is direct-labeled with Platinum*Bright*™550.
Critical region 2 (green): The region proximal to **IRF4 / DUSP22 (6p25)** 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.

Pattern: The **IRF4 / DUSP22 (6p25) Break** FISH probe is designed as a dual color split probe to detect translocations at 6p25. A split or break is defined as a red/green or yellow fusion signals (F) splitting into separate red (R) and green (G) signals. Two co-localized red/green or yellow signals (2F) identify the normal chromosome(s) 6.

Signal patterns other than those described above may indicate variant translocations, deletions or amplifications on der(6) or other complex rearrangements. Investigators are advised to analyze metaphase cells for the interpretation of atypical signal patterns.

	Normal Signal Pattern	6p25 Break
Expected Signals	2F	1F1R1G

References:

Bisig et al., Best Pract Res Clin Haematol, 2012, 25: 13-28
Feldman et al., Blood, 2011, 117: 915-919
Karai et al., Am J Surg Pathol, 2013 [Epub ahead of print]
Pham-Ledard et al., J Invest Dermatol, 2010, 130: 816-825
Salaverria et al., Blood, 2011, 118: 139-147
Wada et al., Mod Pathol, 2011, 24: 596-605

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.