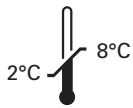
Kreatech™ FISH probes

Product Information Sheet

KI-10311

NUP98 (11p15) Break

100 µl



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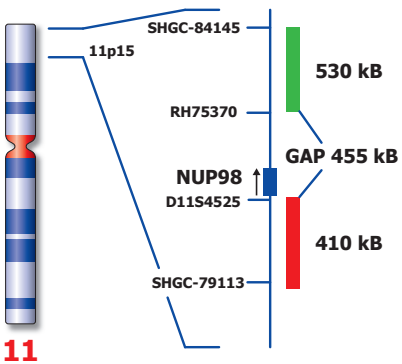
RUO - Research Use Only

Not for use in diagnostic procedures

PI-KI-10311_D2.1

Published Sept 2015



Not to scale

KI-10311

Kreatech™ NUP98 (11p15) Break FISH probe

Introduction: The **NUP98 (11p15) Break** FISH probe is optimized to detect translocations involving the NUP98 gene region at 11p15 in a dual-color assay.

Critical region 1 (red): The **proximal NUP98** gene region probe is direct-labeled with Platinum*Bright*™550.
Critical region 2 (green): The **distal NUP98** 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.

Pattern: The **NUP98 (11p15) Break** FISH probe is designed as a dual-color split probe to detect inversions or translocations at 11p15. A break is defined as a red/green or yellow fusion signals (F) splitting into separate red and green signals. Only red (R) and green (G) signals which are more than one signal diameter apart from each other are counted as a break. Two co-localized red/green or yellow signals (2F) identify the normal chromosome(s) 11.

Note**:** Normally, a signal is counted as a split/break when the red and green signals are more than one signal diameter apart. However, for the NUP98 break probe, split signals have occasionally been observed on normal, negative slides of lesser quality. Therefore, it is recommended to carefully define cut-off specifications in your setting.

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	11p15 split
Expected Signals	2F	1F1R1G

References:
Gough et al, 2011, Blood 118; 6247-6257
Nebral et al, 2005, Haematologica 90; 746-752
Romana et al, 2006, Leukemia 20; 696-706

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.