

ZytoLight® SPEC MAML2 Dual Color Break Apart Probe

Previously: ZytoLight MEC I Probe SPEC t(11;19) Dual Color Break Apart Probe

Background

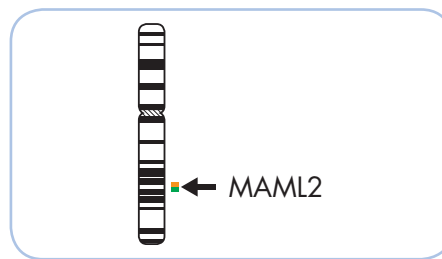
The ZytoLight® SPEC MAML2 Dual Color Break Apart Probe is designed to detect the translocation t(11;19)(q21;p13.1) specific for mucoepidermoid carcinomas. The mucoepidermoid carcinoma is the most common malignant tumor of the salivary gland. With about 30-50% of all cases, the translocation t(11;19)(q21;p13.1) is the most frequent chromosomal aberration in mucoepidermoid carcinomas. In some cases the t(11;19) is the sole chromosomal anomaly and in other cases the t(11;19) was found either as a more complex translocation involving other chromosomes or together with other abnormalities.

References

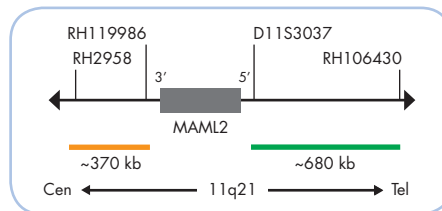
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Probe Description

The SPEC MAML2 Dual Color Break Apart Probe is a mixture of two direct labeled probes hybridizing to the 11q21 band. The green fluorochrome direct labeled probe hybridizes distal to the MAML2 gene, the orange fluorochrome direct labeled probe hybridizes proximal to that gene.



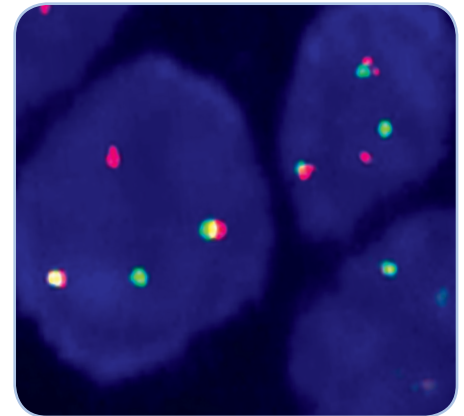
Ideogram of chromosome 11 indicating the hybridization locations.



SPEC MAML2 Probe map (not to scale).

Results

In an interphase nucleus lacking a translocation involving the 11q21 band two orange/green fusion signals are expected representing two normal (non-rearranged) 11q21 loci. A signal pattern consisting of one orange/green fusion signal, one orange signal, and a separate green signal indicates one normal 11q21 locus and one 11q21 locus affected by the translocation specific for mucoepidermoid carcinomas.



SPEC MAML2 Dual Color Break Apart Probe hybridized to abnormal nuclei containing two normal chromosomes 11 as indicated by two orange/green signal pairs and a derivative chromosome 11 with a translocation involving the 11q21 band as indicated by one orange and one separate green signal.

Prod. No.	Product	Label	Tests* (Volume)
Z-2014-200	ZytoLight SPEC MAML2 Dual Color Break Apart Probe CE IVD	●/●	20 (200 µl)
Related Products			
Z-2028-20	ZytoLight FISH-Tissue Implementation Kit CE IVD		20
Incl. Heat Pretreatment Solution Citric, 500 ml; Pepsin Solution, 4 ml; Wash Buffer SSC, 500 ml; 25x Wash Buffer A, 100 ml; DAPI/DuraTect-Solution, 0.8 ml			

* Using 10 µl probe solution per test. CE IVD only available in certain countries. All other countries research use only! Please contact your local dealer for more information.