

LSP TFEB 5' FISH Probe Cat No CT-LSP111

Locus Specific Probe for TFEB Gene 5' Region

The TFEB 5' FISH Probe is designed to detect the human *TFEB* gene 5'-region located on chromosome band 6p21.1. *TFEB* is also known as *TCL1*.

The TFEB 5' FISH probe is labeled with CytoOrange. CytoOrange is a fluorophore with an excitation peak at 551nm and emission peak at 575nm, giving it an orange fluorescent signal with the appropriate filters.

The TFEB 5' FISH probe hybridizes to chromosome 6 in both metaphase and interphase cells. After hybridizing with normal human peripheral blood lymphocyte samples, two distinct orange fluorescent spots are observed in the interphase nuclei, each spot corresponding to the 6p21.1 region on the chromosome 6. In metaphase cells, a "doublet" or "split signal" may appear on chromosomal region 6p21.1. Each signal within the doublet represents one of the two sister chromatids present in the replicated chromosome 6.

* CytoTest shall not be responsible for patent infringement or any other violation that may occur with the use of this product.

Analyte Specific Reagent. Analytical and performance characteristics are not established.

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