

## DATA SHEET

### Retinoblastoma (RB) Probe

**Catalog No.**  
**PR225-100**

**Description**  
0.650 ml fluoresceinated oligonucleotide Retinoblastoma (RB) probe

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

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Doc. No. 932-PR225-100; Rev. No. B

Date of release: 20-Aug-2020

#### REAGENT SUPPLIED

1 x 0.650 ml of pre-diluted fluoresceinated oligonucleotide Retinoblastoma probe in hybridization solution.

#### STORAGE AND HANDLING

Store the probe at 2-8° C. Warm to room temperature immediately prior to use.

#### SPECIFICATIONS

The Retinoblastoma oligonucleotide probe detects transcripts of RB gene in all normal tissues and many non retinoblastoma tumors in formalin-fixed, paraffin-embedded human tissues by *in situ* hybridization.

#### DESCRIPTION

The retinoblastoma tumor suppressor gene, RB, encodes a protein of 110 KD that plays an important role in cell growth regulation. Retinoblastoma is an intraocular cancer of early childhood that arises from the developing retina. In a substantial proportion of cases, susceptibility to retinoblastoma can be inherited from a parent who was previously cured of the tumor.

#### QUALITY CONTROL

For Quality Control purpose, each lot of this probe is tested by *in situ* hybridization using formalin-fixed, paraffin-embedded tonsil as control tissue.

#### PRECAUTIONS:

The probe contains formamide. Formamide is classified as a teratogen. Pregnant workers should keep exposure to a minimum. Avoid inhalation, ingestion, and contact with unprotected skin. If skin contact occurs, wash thoroughly with soap and water.

For more information, refer to the Material Safety Data Sheet, which is available upon request

#### REFERENCES

1. Lee D, Xiong S, Xiong WC. General Introduction to In Situ Hybridization Protocol Using Nonradioactively Labeled Probes to Detect mRNAs on Tissue Sections. *Methods Mol Biol.* 2013;1018:165-74.
2. Wilkinson DG. *In Situ Hybridization, A Practical Approach*, Oxford University Press (1992) ISBN 0 19 963327 4.