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DATA SHEET
Lambda Probe

Catalog No.	Description
PR215-100	0.650 ml fluoresceinated oligonucleotide Lambda probe

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

Doc. No. 932-PR215-100; Rev. No. C
Date of release: 20-Aug-2020

REAGENT SUPPLIED
1 x 0.650 ml of pre-diluted fluoresceinated oligonucleotide Lambda probe in hybridization solution.

STORAGE AND HANDLING
Store the probe at 2-8^{o} C. Warm to room temperature immediately prior to use.

SPECIFICATIONS
The oligonucleotide probe detects Lambda light chain mRNA in formalin-fixed, paraffin-embedded human tissues by *in situ* hybridization.

DESCRIPTION
The light chains of immunoglobulin molecules have two antigenic types: kappa and lambda. A given immunoglobulin molecule contains two identical light chains, either kappa or lambda. Therefore, the clonal nature of any immunoglobulin-producing cell population can be determined by the light chain structure of the immunoglobulin that the cell produces.

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. Erber WN, Asbahr HD, and Phelps PN. *In situ* hybridization of immunoglobulin light chain mRNA of bone marrow trephines using biotinylated probes and the APAAP method. Pathology 25(1): 63-7, 1993.
2. Weiss LM, Movahed LA, Chen YY, Shin SS, Stroup RM, Bui N, Estess P, and Bindl JM. Detection of immunoglobulin light chain mRNA in lymphoid tissues using a practical *in situ* hybridization method. Am J Pathol 137(4): 979-88, 1990.
3. King G, Chmbers G, and Murray GI. Detection of immunoglobulin light chain mRNA by *in situ* hybridization using biotinylated tyramide signal amplification. Mol Pathol 52(1):47-50, 1999.
4. Pringle JH, Ruprai AK, Primrose L, Keyte J, Potter L, Close P, and Lauder I. *In Situ* hybridization of immunoglobulin light chain mRNA in paraffin sections using biotinylate or hapten-labeled oligonucleotide probes. J Pathol 162(3): 197-207.
5. Pan L, Happerfield LC, Bobrow LG, Isaacson PG. *In situ* detection of human Ig light-chain mRNA on formalin-fixed and paraffin-embedded tissue sections using digoxigenin-labeled RNA probes. Histochem J. 25(1): 57-63, 1993.