



# Maxim Biotech, Inc.

## Certificate of Analysis

**Cat. No.:** IH-60018 (ILE-6005)

**Biotinylated Long DNA Probe for Human IL4**

  8   µg / tube

**Form:** Liquid 8 µg biotin-labelled DNA in 100 µl ddH<sub>2</sub>O

**Tm:** > 90 °C (Calculated according to the nearest neighborhood method)

**Size:** 270bp. This biotin-conjugated probe was produced by PCR primers (Maxim's product Catalog # SP-10430) under PCR\* conditions using Human cDNA and biotin-dUTPs & biotin-dATPs.

**Purity:** The biotin-conjugated probe was purified by cartridge and showed a single band on gel.

**Storage and Stability:** Recommend to store at -20 °C, stable for one year. It is stable for one month when store at 4 °C.

**Use:** The product is able to detect a fragment of **Human IL4** in in-situ hybridization when used together with Maxim's in-situ hybridization /detection kit (IHD-0050 & IHD0052) and/or in Northern hybridization.

**Sequences:** (Alignment on database: Genbank, **NM\_000589**)

**References:** Yokota T, et al. Proc. Natl. Acad. Sci. U.S.A. 83 (16), 5894-5898 (1986)

**Lot. No.:** \_\_\_\_\_

**Date of Production:** \_\_\_\_\_

**Operator:** \_\_\_\_\_

PCR\*: The Polymerase Chain Reaction (PCR) process is covered by patents owned by Hoffmann-La Roche. Use of the PCR Process requires a license. This product does not convey a license to use the PCR process.

### Maxim Biotech Inc.

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