

Product Information

Duolink® In Situ PLA® Probe Anti-Goat PLUS

Product Number **DUO92003**

Storage Temperature 2–8 °C

Product Description

Duolink® In Situ PLA® Probe Anti-Goat PLUS contains affinity purified donkey anti-goat IgG (H+L), which reacts with whole molecule goat IgG and also reacts with the light chains of other goat immunoglobulins.

The PLA Probe Anti-Goat PLUS has **minimal cross-reactivity** with chicken, guinea pig, Syrian hamster, horse, human, rabbit, mouse, and rat serum proteins.

The PLA Probe Anti-Goat PLUS **will cross-react with sheep antibodies** and can be used for detection of sheep primary antibodies.

Components

Sufficient components are provided for the indicated number of reactions (30 or 100 RXN), based on 40 µL of the total reaction mixture covering 1 cm².

- 5× PLA Probe Anti-Goat PLUS – Donkey anti-goat secondary antibody conjugated to oligonucleotide PLUS
30 RXN – Catalog Number DUO82003
100 RXN – Catalog Number DUO82003
- 1× Blocking Solution – Reagent for blocking of the sample
30 RXN – Catalog Number DUO82007 4 mL
100 RXN – Catalog Number DUO82007 8 mL
- 1× Antibody Diluent – For dilution of PLA probes and primary antibodies
30 RXN – Catalog Number DUO82008 2.5 mL
100 RXN – Catalog Number DUO82008 8 mL

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

Vortex all reagents before use.

The 1× Blocking Solution and the 1× Antibody Diluent are supplied ready to use.

The PLA Probe Anti-Goat PLUS is supplied as a 5× concentrated stock. Dilute the PLA Probe 5-fold with 1× Antibody Diluent. Prepare the appropriate volume of diluted PLA Probe the day of the experiment, **do not store diluted PLA Probes**.

Storage/Stability

Store the PLA Probe Anti-Goat PLUS at 2–8 °C. **Do not freeze the PLA probe**. Do not store the diluted PLA Probe Anti-Goat PLUS solution.

Procedure

Experiments conducted using Duolink In Situ reagents can detect and visualize protein interactions, protein expression levels, and post-translational modifications at the single molecule level in fixed cells and tissue samples.

To perform a complete Duolink In Situ experiment, one will need two primary antibodies (IHC or ICC/IF validated) that recognize two target epitopes. Additional reagents required include a pair of PLA probes (one PLUS and one MINUS) and detection reagents of choice. Recommended reagents include Wash Buffers and Mounting Medium.

The experimental procedures for Duolink In Situ fluorescence and brightfield applications can be found at sigma.com/duolink.

This product is covered by several patents and patent applications including US 6,511,809, US 6,558,928, US 6,878,515, US 7,074,564, US 5,665,539, and related US and foreign patents, including Japanese Patent No. 5653964.

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