

Product Information

Duolink® In Situ PLA® Probe Anti-Human MINUS

DUO92021

Storage Temperature: 2-8 °C

Product Description

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

The PLA® Probe Anti-Human MINUS has minimal cross-reactivity with bovine, chicken, goat, guinea pig, Syrian hamster, horse, mouse, rabbit, rat, and sheep serum proteins

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.

Component	Volume for 30 RXN	Volume for 100 RXN
5x PLA® Probe Anti-Human MINUS: Donkey Anti-Human secondary antibody conjugated to oligonucleotide MINUS (Cat. No. DUO82021)	-	-
1x Blocking Solution: Reagent for blocking of the sample (Cat. No. DUO82007)	4 mL	8 mL
1x Antibody Diluent: For dilution of PLA® Probes and primary antibodies (Cat. No. DUO82008)	2.5 mL	8 mL

Precautions and Disclaimer

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

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

The PLA® Probe Anti-Human MINUS 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 at 2–8 °C. **Do not freeze** PLA® probes. Do not store diluted PLA® Probe solutions.

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, two primary antibodies (IHC or ICC/IF validated) that recognize two target epitopes are required. 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.

Notice

We provide information and advice to our customers on application technologies and regulatory matters to the best of our knowledge and ability, but without obligation or liability. Existing laws and regulations are to be observed in all cases by our customers. This also applies in respect to any rights of third parties. Our information and advice do not relieve our customers of their own responsibility for checking the suitability of our products for the envisaged purpose.

The information in this document is subject to change without notice and should not be construed as a commitment by the manufacturing or selling entity, or an affiliate. We assume no responsibility for any errors that may appear in this document.

Technical Assistance

Visit the tech service page at SigmaAldrich.com/techservice.

Standard Warranty

The applicable warranty for the products listed in this publication may be found at SigmaAldrich.com/terms.

Contact Information

For the location of the office nearest you, go to SigmaAldrich.com/offices.

The life science business of Merck operates as MilliporeSigma in the U.S. and Canada.

Merck, Duolink, PLA, and Sigma-Aldrich are trademarks of Merck KGaA, Darmstadt, Germany or its affiliates. All other trademarks are the property of their respective owners. Detailed information on trademarks is available via publicly accessible resources.

© 2021 Merck KGaA, Darmstadt, Germany and/or its affiliates. All Rights Reserved.
DUO92021dat Rev 06/21

