# AMPIVIEW® Ig-kappa (AS) DNP RNA Probes Set

## Immunoglobulin kappa light chain RNA probe

The AMPIVIEW® Ig-kappa (AS) DNP RNA Probes set is a ready-to-use in situ hybridization (ISH) probe, powered by Enzo's LoopRNA ISH™ technology, for chromogenic detection of immunoglobulin kappa light chain (IGKC) mRNA, produced by B-cells and plasma cells during humoral immune responses. Light chain restriction (predominance of kappa over lambda signal) detected by RNA-ISH indicates clonal B-cell expansion, aiding in the characterization of B-cell lymphoma or plasma cell myeloma. in formalin-fixed paraffin-embedded (FFPE) tissue sections and cells. The probe is DNP-labeled and detected using an unconjugated anti-DNP linker followed by a polymer-based POLYVIEW® PLUS detection system combined with HIGHDEF® chromogens and counterstain, visualized under a standard light microscope. Supplied as 2 x 1.0 mL ready-to-use probe (ENZ-GEN561) with 1 x 2.0 mL AMPIVIEW® Hybridization Buffer (Fast Hyb Solution) (ENZ-ACC187).

AMPIVIEW® RNA probes are designed to detect the RNA or DNA/RNA of immunoglobulin kappa light chain (IGKC) mRNA, produced by B-cells and plasma cells during humoral immune responses. Light chain restriction (predominance of kappa over lambda signal) detected by RNA-ISH indicates clonal B-cell expansion, aiding in the characterization of B-cell lymphoma or plasma cell myeloma. In situ hybridization (ISH) is a molecular technique that uses labeled nucleic acid probes to detect and localize specific RNA or DNA sequences directly within tissue sections or cells. Powered by Enzo's LoopRNA ISH™ technology, AMPIVIEW® RNA probes deliver superior sensitivity for chromogenic detection of RNA, DNA, or RNA/DNA targets on formalin-fixed paraffin-embedded (FFPE) tissue and cells, and are compatible with Enzo's complete immunohistochemistry detection workflow, from antigen retrieval to counterstain.

- Powered by Enzo's LoopRNA ISH™ technology for superior sensitivity
- Ready-to-use, DNP-labeled probe compatible with AMPIVIEW® Rabbit Anti-DNP Linker, POLYVIEW® PLUS detection and HIGHDEF® chromogens
- 1-hour hybridization with AMPIVIEW® Hybridization Buffer (Fast Hyb Solution) (ENZ-ACC187) for fast, same-day results
- Compatible with manual staining and automated platforms (LEICA BOND, Roche DISCOVERY/ULTRA) with prior optimization

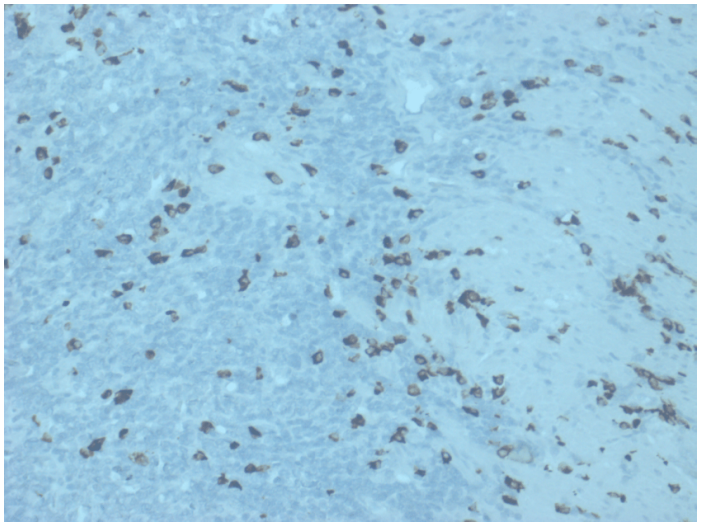
## Ordering Information

Order Online »

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|---|---|
| **ENZ-GEN561-2000** | |

## Manuals, SDS & CofA

View Online »



Brown DAB signal shows Ig-kappa mRNA expression in Mantle cell lymphoma tissue

## Handling & Storage

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| **Use/Stability** | Stable under recommended storage conditions up to the expiration date indicated on the vial label. Avoid freeze-thaw cycles. |
| **Handling** | Protect from light and humidity. Avoid freeze-thaw cycles. Avoid RNases; wear gloves and work in a clean environment. |
| **Short Term Storage** | -20°C |
| **Long Term Storage** | -20°C |
| **Shipping** | Dry Ice |

## Regulatory Status

RUO - Research Use Only

## Product Details

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| **Application** | ISH |
| **Contents** | 2 x 1.0 mL AMPIVIEW® Ig-kappa (AS) DNP RNA Probes set (ENZ-GEN561); 1 x 2.0 mL AMPIVIEW® Hybridization Buffer (ENZ-ACC187) |
| **Quantity** | 2 x 1.0 mL probe + 1 x 2.0 mL hybridization buffer |
| **Recommendation Dilutions/Conditions** | Ready to use solution for manual use; Optimization may be required for automated staining systems. |
| **Specificity** | Immunoglobulin kappa light chain (IGKC) (antisense) |
| **Technical Info / Product Notes** | Ready-to-use probe for manual staining. Prior optimization required for automated staining systems. AMPIVIEW® RNA probes have been optimized with Enzo's AMPIVIEW® and POLYVIEW® Detection Systems combined with HIGHDEF® chromogens. Use of other linkers or polymer-based reagents will require prior optimization. Autostainers such as LEICA BOND or Roche DISCOVERY/ULTRA can be used but may require prior optimization |

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