**Kappa + Lambda**

**Prediulx Multiplex Cocktail (4-Step)**

**Catalog Number:** APR 214 DS AA, H  
**Description:** 6.0, 25 ml, prediluted  
**Dilution:** Ready-to-use  
**Diluent:** N/A

**Intended Use:**  
For Research Use Only. Not for use in diagnostic procedures

**Summary and Explanation:**  
Kappa and Lambda antibodies are usually run together on two separate tissues. In normal tissue, the Kappa and Lambda cell ratio is approximately 2:1. The double stain antibody allows the investigator to simultaneously see both Kappa (M) (brown) and Lambda (P) (red) on the same tissue section, thus allowing the end-user a more accurate and easier assessment of both stains. The double stain predilute must be used in conjunction with Biocare's MACH 2 Double Stain Detection Kit (DAB and Fast Red). The antibody cocktail recognizes both Kappa and Lambda light chains. It is reportedly useful in the identification of myelomas, plasmacytomas, and certain non-Hodgkin's lymphomas. The most common feature of these malignancies is the restricted expression of a single light chain class. Demonstration of clonality in lymphoid infiltrates indicates that the infiltrate is clonal and therefore malignant.

**Source:** Mouse monoclonal and Rabbit Polyclonal

**Species Reactivity:** Mouse monoclonal and Rabbit Polyclonal

**Clone:** KDB-1 (kappa only)

**Isotype:** IgG1 (kappa only)

**Epitope/Antigen:** Kappa and Lambda light chains

**Cellular Localization:** Kappa: cytoplasmic (brown), Lambda: cytoplasmic (red)

**Positive Control:** Tonsil

**Normal Tissue:** Tonsil

**Abnormal Tissue:** Myeloma and plasmacytoma

**Known Applications:** Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

**Supplied As:** Buffer with protein carrier and preservative.

**Storage and Stability:** Store at 2ºC to 8ºC. Do not use after expiration date printed on vial. If reagents or specimens come in contact with sensitive materials, the recommended incubation times and titer listed are not applicable to other detection systems, as results may vary. The data sheet recommendations and protocols are based on exclusive use of Biocare products. Ultimately, it is the responsibility of the investigator to determine optimal conditions. These products are tools that can be used for interpretation of morphological findings in conjunction with other diagnostic tests and pertinent clinical data by a qualified pathologist.

**Quality Control:** Refer to NCCLS Quality Assurance for Immunocytochemistry approved guidelines, December 1999 MM4-A Vol.19 No.26 for more information about Tissue Controls.

**Precautions:**

This antibody contains less than 0.1% sodium azide. Concentrations less than 0.1% are not reportable hazardous materials according to U.S. 29 CFR 1910.1200, OSHA Hazard communication and EC Directive 91/155/EC. Sodium azide (NaN3) used as a preservative is toxic if ingested. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. Upon disposal, flush with large volumes of water to prevent azide build-up in plumbing. (Center for Disease Control, 1976, National Institute of Occupational Safety and Health, 1976) Specimens, before and after fixation, and all materials exposed to them should be handled as if capable of transmitting infection and disposed of with proper precautions. Never pipette reagents by mouth and avoid contacting the skin and mucous membranes with reagents and specimens. If reagents or specimens come in contact with sensitive areas, wash with copious amounts of water. Microbial contamination of reagents may result in an increase in nonspecific staining. Incubation times or temperatures other than those specified may give erroneous results. The user must validate any such change. The MSDS is available upon request.

**Troubleshooting:**

Follow the antibody specific protocol recommendations according to data sheet provided. If atypical results occur, contact BIOCARE's Technical Support at 1-800-542-2002.

**Limitations and Warranty:**

There are no warranties, expressed or implied, which extend beyond this description. BIOCARE is not liable for property damage, personal injury, or economic loss caused by this product.

**References:**

References cont’d: