CD15 Cocktail
Concentrated and Prediluted Cocktail
Antibody 901-073-090717

<table>
<thead>
<tr>
<th>Description</th>
<th>Dilution</th>
<th>Diluent</th>
<th>Catalog Number</th>
<th>Description</th>
<th>Dilution</th>
<th>Diluent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concentrated 0.1, 0.5, 1.0 ml</td>
<td>1:100</td>
<td>Van Gogh Yellow</td>
<td>CM 073 A, B, C</td>
<td>0.1 ml, prediluted</td>
<td>Ready-to-use</td>
<td>N/A</td>
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<td>Prediluted 6.0 ml</td>
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<td>PM 073 AA</td>
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<tr>
<td>IP 073 G10</td>
<td>10 ml, prediluted</td>
<td>Ready-to-use</td>
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<tr>
<td>OAI 073 T60</td>
<td>60 tests, prediluted</td>
<td>Ready-to-use</td>
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<td>Protocol Recommendations (intelliPATH and manual use)</td>
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<td>Primary Antibody: Incubate for 30 minutes at RT.</td>
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<td>Probe: Incubate for 10 minutes at RT with a secondary probe.</td>
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<tr>
<td>Polymer: Incubate for 10-20 minutes at RT with a tertiary polymer.</td>
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<td>Chromogen:</td>
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<td>Universal HRP-Polymer Detection, intelliPATH Universal HRP Detection Kit and ONCORE HRP Detection. Use TBS for washing steps.</td>
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<tr>
<td>This antibody has been optimized for use with Biocare's MACH 4 Universal HRP-Polymer Detection, intelliPATH Universal HRP Detection Kit and ONCORE HRP Detection. Use TBS for washing steps.</td>
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<td>Limitations: The optimum antibody dilution and protocols for a specific application can vary. These include, but are not limited to: fixation, heat-retrieval method, incubation times, tissue section thickness and detection kit used. Due to the superior sensitivity of these unique reagents, the recommended incubation times and titers 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. The clinical interpretation of any positive or negative staining should be evaluated within the context of clinical presentation, morphology and other histopathological criteria by a qualified pathologist. The clinical interpretation of any positive or negative staining should be complemented by morphological studies using proper positive and negative internal and external controls as well as other diagnostic tests.</td>
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Summary and Explanation:
CD15 is present in greater than 90% of granulocytes including neutrophils and eosinophils and to a lesser degree on monocytes. CD15 is expressed in Reed-Sternberg cells of Hodgkin's disease (nodular sclerosis, mixed cellularity and lymphocyte-depleted subtypes), and on certain types of epithelial cells. It is generally agreed that the Reed-Sternberg cell variants in lymphocyte-depleted Hodgkin's disease are reactive with CD15.

Protocol Recommendations (intelliPATH and manual use):

Protocol Name: CD15

Protocol Template (Description): Ms HRP Template 1

Dewaxing (DS Option): DS2

Antigen Retrieval (AR Option): AR2, low pH; 101°C

Reagent Name, Time, Temp.: CD15, 30 min., 25°C

Technical Note:
This antibody has been optimized for use with Biocare's MACH 4 Universal HRP-Polymer Detection, intelliPATH Universal HRP Detection Kit and ONCORE HRP Detection. Use TBS for washing steps.

Quality Control:
CD15 Cocktail
Concentrated and Prediluted Cocktail Antibody
901-073-0
90717

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.

Precautions:
1. 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) (3)

2. 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. (4)

3. Microbial contamination of reagents may result in an increase in nonspecific staining.

4. Incubation times or temperatures other than those specified may give erroneous results. The user must validate any such change.

5. Do not use reagent after the expiration date printed on the vial.

6. The SDS is available upon request and is located at http://biocare.net.

References:

