**Mycobacterium tuberculosis (TB)**
Concentrated and Prediluted Polyclonal Antibody
902-140-072817

<table>
<thead>
<tr>
<th>Catalog Number:</th>
<th>Description:</th>
<th>Diluent:</th>
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</thead>
<tbody>
<tr>
<td>CP 140 A, C</td>
<td>0.1, 1.0 ml, concentrated</td>
<td>Da Vinci Green</td>
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<tr>
<td>PP 140 AA</td>
<td>6.0 ml, prediluted</td>
<td>N/A</td>
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</tbody>
</table>

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

**Summary and Explanation:**
This antibody consists of the purified IgG fraction and reacts with Mycobacterium tuberculosis. The emergence of new strains of resistant Mycobacterium tuberculosis has created new interest in clinical diagnosis. Studies have shown immunohistochemical techniques to be superior to conventional special stains. Thus, the demonstration of mycobacterial antigens are not only useful in establishing mycobacterial aetiology, but also can be used as an alternative method to the conventional Ziehl-Neelsen method. This antibody has been reported to be reactive with other Mycobacteria species including: M. avium, M. phlei, and M. parafortuitum. This antibody has been verified by the user. Diluted reagents should be used promptly; any remaining reagent should be stored at less than 0.1% so 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) (2) 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. (3) 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.

**Technical Note:**
This antibody has been standardized with Biocare’s MACH 2 detection system. Use TBS buffer for washing steps.

**Limitations:**
This product is provided for Research Use Only (RUO) and is not for use in diagnostic procedures. Suitability for specific applications may vary and it is the responsibility of the end user to determine the appropriate application for its use.

**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) (2) 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. (3) 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.

**Technical Support:**
Contact Biocare’s Technical Support at 1-800-542-2002 for questions regarding this product.

**References:**