**Cytomegalovirus (CMV)**

Concentrated and Prediluted Cocktail  
Antibody 902-118-083117

<table>
<thead>
<tr>
<th>Catalog Number:</th>
<th>CM 118 A, B, C</th>
<th>PM 118 AA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description:</strong></td>
<td>0.1, 0.5, 1.0 ml, concentrated</td>
<td>6.0 ml, prediluted</td>
</tr>
<tr>
<td><strong>Dilution:</strong></td>
<td>1:100</td>
<td>Ready-to-use</td>
</tr>
<tr>
<td><strong>Diluent</strong></td>
<td>Van Gogh Yellow</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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

**Summary and Explanation:**
This antibody is a mixture of two monoclonal antibodies that reacts with immediate early and early protein antigens in tissues infected with cytomegalovirus. This antibody does not react with herpes virus or human papilloma virus. In the later stage of infection, a cytoplasmic reaction may be observed.

**Principle of Procedure:**
Antigen detection in tissues and cells is a multi-step immunohistochemical process. The initial step binds the primary antibody to its specific epitope. A secondary antibody may be applied to bind the primary antibody, followed by an enzyme labeled polymer; or an enzyme labeled polymer may be applied directly to bind the primary antibody. The detection of the bound primary antibody is evidenced by an enzyme-mediated colorimetric reaction.

**Source:** Mouse monoclonal

**Species Reactivity:** Human, others not tested

**Clone:** DT10 + BC90

**Isotype:** IgG2a + IgG1

**Total Protein Concentration:** ~10 mg/ml. Call for lot specific Ig concentration.

**Epitope/Antigen:** Cytomegalovirus proteins

**Cellular Localization:** Nuclear staining pattern with some cytoplasmic staining

**Positive Control:** CMV infected tissues

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

**Technical Note:**
This antibody has been standardized with Biocare's MACH 4 detection system. Use TBS for washing steps.

**Catalog Number:** CM 118 AA

**PROPERTIES:**

**Description:** Concentrated and Prediluted Cocktail  
Antibody 902-118-083117

**Isotype:** Mouse monoclonal

**Clone:** DT10 + BC90

**Isotype:** IgG2a + IgG1

**Total Protein Concentration:** ~10 mg/ml. Call for lot specific Ig concentration.

**Epitope/Antigen:** Cytomegalovirus proteins

**Cellular Localization:** Nuclear staining pattern with some cytoplasmic staining

**Positive Control:** CMV infected tissues

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

**Summary and Explanation:**
This antibody is a mixture of two monoclonal antibodies that reacts with immediate early and early protein antigens in tissues infected with cytomegalovirus. This antibody does not react with herpes virus or human papilloma virus. In the later stage of infection, a cytoplasmic reaction may be observed.

**Principle of Procedure:**
Antigen detection in tissues and cells is a multi-step immunohistochemical process. The initial step binds the primary antibody to its specific epitope. A secondary antibody may be applied to bind the primary antibody, followed by an enzyme labeled polymer; or an enzyme labeled polymer may be applied directly to bind the primary antibody. The detection of the bound primary antibody is evidenced by an enzyme-mediated colorimetric reaction.

**Source:** Mouse monoclonal

**Species Reactivity:** Human, others not tested

**Clone:** DT10 + BC90

**Isotype:** IgG2a + IgG1

**Total Protein Concentration:** ~10 mg/ml. Call for lot specific Ig concentration.

**Epitope/Antigen:** Cytomegalovirus proteins

**Cellular Localization:** Nuclear staining pattern with some cytoplasmic staining

**Positive Control:** CMV infected tissues

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

**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:**

**Catalog Number:** CM 118 AA

**PROPERTIES:**

**Description:** Concentrated and Prediluted Cocktail  
Antibody 902-118-083117

**Isotype:** Mouse monoclonal

**Clone:** DT10 + BC90

**Isotype:** IgG2a + IgG1

**Total Protein Concentration:** ~10 mg/ml. Call for lot specific Ig concentration.

**Epitope/Antigen:** Cytomegalovirus proteins

**Cellular Localization:** Nuclear staining pattern with some cytoplasmic staining

**Positive Control:** CMV infected tissues

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

**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:**