Proprietary name: CD4 [4B12]

Concentrated and Prediluted Monoclonal Antibody
901-3148-053023

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<th>Catalog Number</th>
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| ACI 3148 A, C  | 0.1, 1.0 mL, conc.  | 1:100    | Van Gogh Yellow | VLM3148 is intended for use with VALEN. Refer to the User Manual for specific instructions for use. Protocol parameters in the Protocol Manager should be programmed as follows: \n|                |                      |          |                | Deparaffinization: Deparaffinize for 8 minutes with Val DePar. \n|                |                      |          |                | Pretreatment: Perform heat retrieval at 98°C for 60 minutes using Val AR-Hi pH, 5X (use at 1X). \n|                |                      |          |                | Enzyme: Incubate for 10 minutes with Val Zyme Pronase (1:25 mix) \n|                |                      |          |                | Peroxidase Block: Block for 5 minutes with Val Peroxidase Block. \n|                |                      |          |                | Protein Block (Optional): Incubate for 10-20 minutes at RT with Val Background Block. \n|                |                      |          |                | Primary Antibody: Incubate for 30 minutes. \n|                |                      |          |                | Secondary: Incubate for 10 minutes with Val Mouse Secondary. \n|                |                      |          |                | Linker: Incubate for 10 minutes with Val Universal Linker. \n|                |                      |          |                | Polymer: Incubate for 10 minutes with Val Universal Polymer. \n|                |                      |          |                | Chromogen: Incubate for 5 minutes with Val DAB. \n|                |                      |          |                | Counterstain: Counterstain for 5 minutes with Val Hematoxylin. \n| API 3148 AA    | 6.0 mL, RTU         | Ready-to-use |                | Protocol Recommendations (intelliPATH FLX® and manual use): \n|                |                      | Ready-to-use |                | Peroxide Block: Block for 5 minutes with Peroxidized 1. \n|                |                      | N/A       |                | Pretreatment: Perform heat retrieval using Diva Decloaker. Refer to the Diva Decloaker data sheet for specific instructions. \n|                |                      | N/A       |                | Protein Block (Optional): Incubate for 5-10 minutes at RT with Val Background Punisher. \n|                |                      | N/A       |                | Primary Antibody: Incubate for 30 minutes at RT. \n|                |                      | N/A       |                | Probe: Incubate for 10 minutes at RT with a secondary probe. \n|                |                      | N/A       |                | Polymer: Incubate for 10-20 minutes at RT with a tertiary polymer. \n|                |                      | N/A       |                | Chromogen: Incubate for 5 minutes at RT with Biocare’s DAB – OR – Incubate for 5-7 minutes at RT with Warp Red. \n|                |                      | N/A       |                | Counterstain: Counterstain with hematoxylin. Rinse with deionized water. Apply Tacha’s Bluing Solution for 1 minute. Rinse with deionized water. \n|                |                      | N/A       |                | Technical Note: This antibody, for intelliPATH FLX and manual use, has been standardized with MACH 4 detection system. Use TBS for washing steps. \n|                |                      | N/A       |                | 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. \n|                |                      | N/A       |                | Quality Control: Refer to CLSI Quality Standards for Design and Implementation of Immunohistochemistry Assays; Approved Guideline-Second edition (I/2A82-A2) CLSI Wayne, PA USA (www.clsi.org). 2011 \n|                |                      | N/A       |                | 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.
Precautions Cont’d:
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) (7)
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 into contact with sensitive areas, wash with copious amounts of water. (8)
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.

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.

References: