

Store at +4°C  
#68030**CA 19-9 (C241:5:1:4) Mouse Monoclonal Antibody**

**Orders:** 877-616-CELL (2355)  
orders@cellsignal.com

**Support:** 877-678-TECH (8324)

**Web:** info@cellsignal.com  
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

**For Research Use Only. Not for Use in Diagnostic Procedures.**

<b>Applications:</b> IHC-Bond, IHC-P	<b>Reactivity:</b> H	<b>Sensitivity:</b> Endogenous	<b>Source/Isotype:</b> Mouse IgG1
---	-------------------------	-----------------------------------	--------------------------------------

<b>Product Usage Information</b>	<b>Application</b> IHC Leica Bond Immunohistochemistry (Paraffin)	<b>Dilution</b> 1:400 - 1:1600 1:800 - 1:3200
<b>Storage</b>	Supplied in PBS containing 1% BSA and 15 mM sodium azide. Stable for 6 months when stored at 4°C. <i>Do not aliquot the antibody.</i>	
<b>Specificity/Sensitivity</b>	Note: This product is only available in the format listed above. We are unable to provide this in a carrier free, custom formulation.	
<b>Source / Purification</b>	CA 19-9 (C241:5:1:4) Mouse Monoclonal Antibody recognizes endogenous levels of CA 19-9 protein. This antibody has minimal cross-reactivity (<1%) with sialyl lacto-N-tetraosylceramide. This antibody does not cross-react with Lewis A, Lewis B, or structurally-related substances.	
<b>Background</b>	Monoclonal antibody is produced by immunizing animals with human colorectal adenocarcinoma Colo 205 cells.	
<b>Background References</b>	CA 19-9 specifically binds to the epitope of sialylated Lewis A carbohydrate structure, which is the functional ligand for E-selectin and is involved in the adhesion of cancer cells (1,2). The CA 19-9 antigen has been of clinical interest in detection, diagnosis, and management of cancers such as pancreatic and gastrointestinal carcinomas (3,4).	
	<ol style="list-style-type: none"> <li>1. Itzkowitz, S.H. and Kim, Y.S. (1986) <i>Gastroenterology</i> 90, 491-4.</li> <li>2. Ugorski, M. and Laskowska, A. (2002) <i>Acta Biochim Pol</i> 49, 303-11.</li> <li>3. Goggins, M. (2005) <i>J Clin Oncol</i> 23, 4524-31.</li> <li>4. Herlyn, M. et al. (1982) <i>J Clin Immunol</i> 2, 135-40.</li> </ol>	

<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
<b>Applications Key</b>	<b>IHC-Bond:</b> IHC Leica Bond <b>IHC-P:</b> Immunohistochemistry (Paraffin)
<b>Cross-Reactivity Key</b>	<b>H:</b> Human
<b>Trademarks and Patents</b>	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. SignalStain is a registered trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit <a href="http://cellsignal.com/trademarks">cellsignal.com/trademarks</a> for more information.
<b>Limited Uses</b>	Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.  Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any

commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.