#

e at -20C	Phospho-CD79A (Tyr182) Antibody		Ell Signaling
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com
73		Support:	877-678-TECH (8324)
517		Web:	info@cellsignal.com cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

••	tivity: Sensitivity: H Endogenous	<b>MW (kDa):</b> 45-55	Source: Rabbit	<b>UniProt ID:</b> #P11912	Entrez-Gene Id: 973
Product Usage Information	Application Western Blotting				Dilution 1:1000
	Immunoprecipitation				1:50
	Immunofluorescence	(Immunocytochemis	try)		1:200
	Flow Cytometry (Fixed	d/Permeabilized)			1:100
Storage	Supplied in 10 mM sod 20°C. Do not aliquot th		i), 150 mM NaCl, 10	00 μg/ml BSA and 50%	glycerol. Store at –
Specificity / Sensitivity				s of CD79A protein only 182 on mouse CD79A p	
Species predicted to react based on 100% sequence homology:	Mouse, Rat				
Source / Purification	to residues surrounding	g Tyr188 of human C	CD79A protein. This	th a synthetic phosphop s sequence corresponds le affinity chromatograp	to Tyr182 of mouse
Background	of CD79A and CD79B, is essential for B cell d receptor (BCR) initiate based activation motif function (6). Antigen bi activation of receptor a lymphoblastic leukemia are associated with ab lymphocytic leukemia ( Tyr182 of mouse CD79 the immunoreceptor ty	also known as Ig α evelopment and func- intracellular signalin (ITAM) found in the α nding precedes form issociated kinases (7 a (8). Additionally, im normally low levels α (9). DA (corresponding to rosine-based activat family kinases (e.g.	and Ig β, respective ction (3). Together t g following antigen CD79A intracellular hation of the CD79A 7). Research has sh vestigators have fou of functional B cell r Tyr188 of human ( ion motif (ITAM) of , Lyn, Blk), and play	terodimeric signaling co ely (1,2). Presence of th hese two proteins and t binding (4,5). An immur region appears to be in a and CD79B heterodim hown that CD79A is a m und that mutations in the receptors in some cases CD79A) is one of two ke CD79A. Tyrosines in the r a critical role in modula	is receptor complex he associated B cell noreceptor tyrosine- nportant for its er and subsequent arker for B-lineage e <i>CD79A</i> ( <i>MB1</i> ) gene s of chronic B cell by tyrosine residues in e ITAM motifs are
Background References	<ol> <li>van Noesel, C.J. et a</li> <li>Minegishi, Y. et al. (1</li> <li>Yu, L.M. and Chang,</li> <li>Storch, B. et al. (200)</li> <li>Mason, D.Y. et al. (1</li> <li>Luisiri, P. et al. (1996)</li> <li>Pike, K.A. et al. (200)</li> <li>Astsaturov, I.A. et al.</li> <li>Vuillier, F. et al. (200)</li> <li>Pao, L.I. et al. (1998)</li> </ol>	<ul> <li>1999) J Clin Invest 11</li> <li>T.W. (1992) J Immu</li> <li>T.W. (1992) J Immu</li> <li>T Eur J Immunol 37</li> <li>995) Blood 86, 1453</li> <li>5) J Biol Chem 271, 1</li> <li>14) J Immunol 172, 2</li> <li>(1996) Leukemia 11</li> <li>5) Blood 105, 2933-</li> </ul>	04, 1115-21. <i>Inol</i> 148, 633-7. 7, 252-60. 8-9. 5158-63. 210-8. 0, 769-73. 40.		

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

3/23/24, 11:16 AM	Phospho-CD79A (Tyr182) Antibody (#5173) Datasheet Without Images Cell Signaling Technology		
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.		
Applications Key	<b>WB:</b> Western Blotting <b>IP:</b> Immunoprecipitation <b>IF-IC:</b> Immunofluorescence (Immunocytochemistry) <b>FC-FP:</b> Flow Cytometry (Fixed/Permeabilized)		
Cross-Reactivity Key	<ul> <li>H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster</li> <li>X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse</li> <li>GP: Guinea Pig Rab: rabbit All: all species expected</li> </ul>		
Trademarks and Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.		
Limited Uses	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 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.		