

**MOUSE ANTI-HUMAN CD93 (C1qRp)
R-PHYCOERYTHRIN-CONJUGATED
MONOCLONAL ANTIBODY**

CATALOG NUMBER:	MAB4313P	QUANTITY:	100 µg
LOT NUMBER:		CONCENTRATION:	
ALTERNATE NAMES:	C1qRp	HOST/ISOTYPE:	IgM
CLONE NAME:	R3		
BACKGROUND:	CD93 (C1qRp) is a 90-120kD protein that is highly expressed on monocytes/macrophages, neutrophils and granulocytes. CD93 is not expressed upon T and B lymphocytes. C1qRp binds C1q, the recognition subunit of the first component (C1) of the complement pathway, as well as MBL (Mannose-binding-lectin) and SPA (Pulmonary Surfactant Protein A). However, CD93 is not necessary for the binding of C1q or for inducing C1q-mediated enhancement of phagocytic activity. Recent evidence suggests that CD93 may define a new human stem cell population with hematopoietic and hepatic potential 3.		
SPECIFICITY:	Recognizes human CD93 (C1qRp).		
APPLICATIONS:	Immunocytochemistry: Recommended antibody dilution: 5-10 µg/ml Fixative: 4% Paraformaldehyde / PBS Blocking buffer: 2% BSA / 2% Normal serum / PBS Dilution Buffer: 2% BSA / 2% Normal serum / PBS Incubation Times/Temperature: 1 hour at room temperature FACS Analysis: Suggested dilution/number of cells: 2 µg/million cells Fixation/Permeabilization used: 1% Paraformaldehyde <i>Optimal working dilutions must be determined by end user.</i>		
SPECIES REACTIVITY:	Human		
IMMUNOGEN:	C1q tail binding proteins		
CONTROL:	Recommended controls: Positive: U937 monocytes; Negative: T cells		
FORMAT:	R-Phycoerythrin-conjugated immunoglobulin.		
PRESENTATION:	Liquid in PBS, pH 7.4, with 0.1% sodium azide.		
STORAGE/HANDLING:	Maintain refrigerated at 2-8°C in undiluted aliquots for up to 12 months from date of receipt. Protect from light.		
REFERENCES:	1. Park M. <i>et al.</i> (2003). <i>J. Cell Physiol</i> , 196 : 512 2. Maruyama H. <i>et al.</i> (2003). <i>Ped. Research</i> 54 : 724 3. Danet G.H. <i>et al.</i> (2002). <i>PNAS</i> 99 : 10441		

4. Fonseca M.I. *et al.* (2001). *J. Leuk. Bio.* **70**: 793
5. Nepomuceno R.R. *et al.* (1999). *J. Immunol.* **162**: 3583
6. Nepomuceno R.R. *et al.* (1998). *J. Immunol.* **160**: 1929
7. Nepomuceno R.R. *et al.* (1997). *Immunity* **6**: 119
8. Guan E. *et al.* (1994). *J. Immunol.* **152**: 4005
9. Guan E. *et al.* (1991). *J. Biol. Chem.* **266**: 20345

For research use only; not for use as a diagnostic.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

© 2005: CHEMICON[®] International, Inc. - By CHEMICON[®] International, Inc. All rights reserved. No part of these works may be reproduced in any form without permissions in writing.