

**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. et al. (2003). <i>J.Cell Physiol</i> , 196 : 512 2. Maruyama H. et al. (2003). <i>Ped. Research</i> 54 : 724 3. Danet G.H. et al. (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 µL 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.