

**MOUSE ANTI-HUMAN CD93 (C1qRp)  
ALEXA FLUOR® 488 CONJUGATED  
MONOCLONAL ANTIBODY**

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<b>CATALOG NUMBER:</b>	MAB4313X	<b>QUANTITY:</b>	100 µg
<b>LOT NUMBER:</b>		<b>CONCENTRATION:</b>	
<b>ALTERNATE NAMES:</b>	C1qRp	<b>HOST/ISOTYPE:</b>	IgM
<b>CLONE NAME:</b>	R3		
<b>BACKGROUND:</b>	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.		
<b>SPECIFICITY:</b>	Recognizes human CD93 (C1qRp).		
<b>APPLICATIONS:</b>	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>		
<b>SPECIES REACTIVITY:</b>	Human		
<b>IMMUNOGEN:</b>	C1q tail binding proteins		
<b>CONTROL:</b>	Recommended controls: Positive: U937 monocytes; Negative: T cells		
<b>FORMAT:</b>	Purified immunoglobulin conjugated to Alexa Fluor® 488.		
<b>PRESENTATION:</b>	Liquid in Phosphate buffer with 15 mg/mL BSA as a stabilizer and 0.1% sodium azide		
<b>STORAGE/HANDLING:</b>	Maintain refrigerated at 2-8°C in undiluted aliquots for up to 12 months from date of receipt. Protect from light.		
<b>REFERENCES:</b>	<ol style="list-style-type: none"><li>1. Park M. <i>et al.</i> (2003). <i>J. Cell Physiol</i>, <b>196</b>: 512</li><li>2. Maruyamama H. <i>et al.</i> (2003). <i>Ped. Research</i> <b>54</b>: 724</li><li>3. Danet G.H. <i>et al.</i> (2002). <i>PNAS</i> <b>99</b>: 10441</li></ol>		

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5. Nepomuceno R.R. *et al.* (1999). *J. Immunol.* **162**: 3583
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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  $\mu$ 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.*

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