

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

CATALOG NUMBER: MAB4314X

LOT NUMBER: Xxxxx

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/mL

SPECIFICITY: This antibody recognizes human CD93 (C1qRp), 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 potential³.

IMMUNOGEN: C1q collagen like domain binding proteins

ISOTYPE: IgG_{2b}

CLONE NAME: R139

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
Recommended control tissue: Positive: U937 monocytes; Negative: T cells

FACS Analysis:
Suggested dilution/number of cells: 2 µg/million cells
Fixation/Permeabilization used: 1% Paraformaldehyde / PBS
Recommended controls: U937 Monocytes

Optimal working dilutions must be determined by end user.

SPECIES REACTIVITIES: Human CD93

PRESENTATION: Purified immunoglobulin conjugated to Alexa Fluor[®] 488. Liquid in Phosphate buffer with 15 mg/mL BSA as a stabilizer and 0.1% sodium azide

STORAGE/HANDLING: Maintain refrigerated at 2-8°C protected from light in undiluted aliquots for up to 24 months.

REFERENCES: 1. Park M. et al (2003). J.Cell Physiol, 196: 512

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

2. Maruyama H. et al (2003). Ped. Research 54: 724
3. Danet G.H. et al (2002). PNAS 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

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.*

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