

Product datasheet for **TA320304**

CD93 Mouse Monoclonal Antibody [Clone ID: R139]

Product data:

Product Type:	Primary Antibodies
Clone Name:	R139
Applications:	FC
Recommended Dilution:	Flow, ELISA, IP, WB
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	CD93 molecule
Database Link:	NP_036204 Entrez Gene 22918 Human Q9NPY3

Background: The monoclonal antibody R139 recognizes human CD93, also known as C1qRp. The glycoprotein CD93 binds to C1q, the subunit of the complement protein, mannose binding lectin and pulmonary surfactant protein A. CD93 is predicted to play a role in the clearance of apoptotic cells. Expression of CD93 is confined to myeloid cells with higher expression on monocytes than neutrophils, eosinophils, platelets and endothelial cells. Expression on DC?? is downregulated upon maturation. Additionally, CD93 has been shown to define an early bone marrow stem cell population of hematopoietic and hepatic precursors. The monoclonal antibody R139 blocks C1q-mediated enhancement of phagocytosis. CD93 can be shed from the cell surface. This phenomenon can be measured using R3 antibody as detection with R139 as capture to detect soluble CD93 by ELISA. The epitope for R139 resides in the EGF domains.

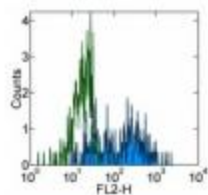


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Synonyms: C1qR(P); C1QR1; C1qRP; CDw93; dj737E23.1; ECSM3; MXRA4

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Product images:



Staining of normal human peripheral blood cells with 0.25 ug of Mouse IgG2b kappa Isotype Control Purified (open histogram) or 0.25 ug of Anti-Human CD93 Purified (filled histogram). Cells in the monocyte gate were used for analysis.