

# C1q

Mouse Monoclonal antibody(Mab) Catalog # AD80317

#### **Product Information**

Application	IHC-P
Primary Accession	<u>Q9NPY3</u>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	652A2F4
Calculated MW	68560

## **Additional Information**

Gene ID Gene Name Other Names	22918 CD93 Complement component C1q receptor, C1q/MBL/SPA receptor, C1qR, C1qR(p), C1qRp, CDw93, Complement component 1 q subcomponent receptor 1, Matrix-remodeling-associated protein 4, CD93, CD93, C1QR1, MXRA4
Dilution	IHC-P~~Ready-to-use
Storage	Maintain refrigerated at 2-8°C.
Precautions	C1q Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### **Protein Information**

Name	CD93
Synonyms Function	C1QR1, MXRA4 Cell surface receptor that plays a role in various physiological processes including inflammation, phagocytosis, and cell adhesion. Plays a role in phagocytosis and enhances the uptake of apoptotic cells and immune complexes by acting as a receptor for defense collagens including surfactant protein A/SFTPA1, C1q, and mannose-binding lectin (MBL2) (PubMed: <u>7977768</u> ). Plays a role in the regulation of endothelial cell function and adhesion by activating angiogenesis (PubMed: <u>24809468</u> ). Mechanistically, exerts its angiogenic function by associating with beta-dystroglycan, leading to SRC- dependent phosphorylation and subsequent recruitment of CBL. In turn, CBL provides a docking site for downstream signaling components, such as CRKL to enhance cell migration (PubMed: <u>26848865</u> ). Participates in angiogenesis also by acting as a receptor for the ECM pan-endothelial glycoprotein multimerin-2/MMRN2 and IGFBP7 ligands (PubMed: <u>28671670</u> , PubMed: <u>36265539</u> , PubMed: <u>38218180</u> ). Both ligands play a non-redundant

	role in CD93-mediated endothelial cell function (PubMed: <u>38218180</u> ). Acts as a key regulator of endothelial barrier function through modulating VEGFR2 function (By similarity).
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Highly expressed in endothelial cells, platelets, cells of myeloid origin, such as monocytes and neutrophils. Not expressed in cells of lymphoid origin

## Images



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