

C1q

Mouse Monoclonal antibody(Mab)

Catalog # AD80317

Product Information

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

Additional Information

Gene ID	22918
Gene Name	CD93
Other Names	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	C1QR1, MXRA4
Function	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: 7977768). Plays a role in the regulation of endothelial cell function and adhesion by activating angiogenesis (PubMed: 24809468). 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: 26848865). Participates in angiogenesis also by acting as a receptor for the ECM pan-endothelial glycoprotein multimerin-2/MMRN2 and IGFBP7 ligands (PubMed: 28671670 , PubMed: 36265539 , PubMed: 38218180). Both ligands play a non-redundant

role in CD93-mediated endothelial cell function (PubMed:[38218180](#)). Acts as a key regulator of endothelial barrier function through modulating VEGFR2 function (By similarity).

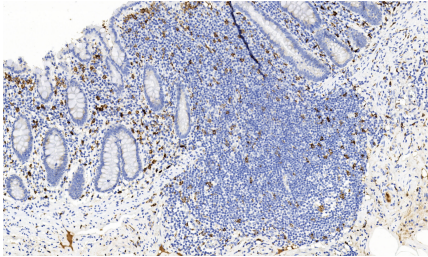
Cellular Location

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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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.