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Anti-CD93 Reference Antibody (Dcby02)

Recombinant Antibody
Catalog # APR10597

Specification

Anti-CD93 Reference Antibody (Dcby02) - Product Information

Application	**FC, E, FTA**
Primary Accession	Q9NPY3
Reactivity	**Cynomolgus, Human**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**150 KDa**

Anti-CD93 Reference Antibody (Dcby02) - Additional Information

Target/Specificity
CD93

Endotoxin
< 0.001EU/ μg,determined by LAL method.

Conjugation
Unconjugated

Expression system
CHO Cell

Format
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Anti-CD93 Reference Antibody (Dcby02) - 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

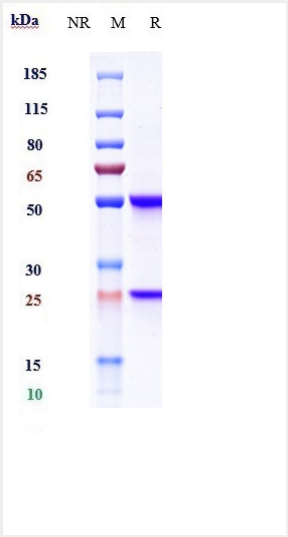
Tissue Location
Highly expressed in endothelial cells, platelets, cells of myeloid origin, such as monocytes and neutrophils. Not expressed in cells of lymphoid origin

Anti-CD93 Reference Antibody (Dcby02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CD93 Reference Antibody (Dcby02) - Images



Anti-CD93 Reference Antibody (Dcby02) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%

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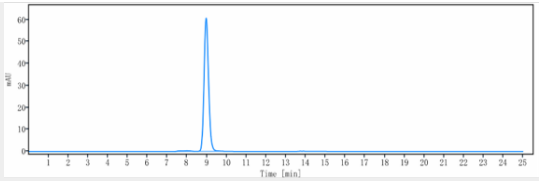

The purity of Anti-CD93 Reference Antibody (Dcby02)is more than 95% ,determined by SEC-HPLC.