

Anti-CD93 Reference Antibody (Dcby02)
Recombinant Antibody
Catalog # APR10597**Specification**

Anti-CD93 Reference Antibody (Dcby02) - Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	Q9NPY3
Reactivity	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

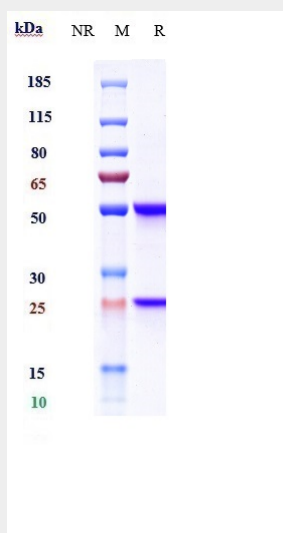
Highly expressed in endothelial cells, platelets, cells of myeloid origin, such as monocytes and neutrophils. Not expressed in cells of lymphoid origin

Anti-CD93 Reference Antibody (Dcby02) - Protocols

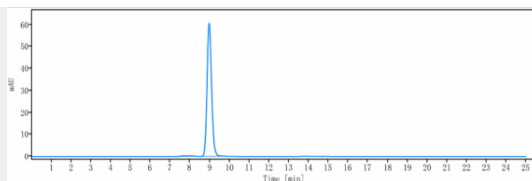
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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%



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