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Anti-DCSTAMP Reference Antibody (U.Rochester patent anti-DC-STAMP)

Recombinant Antibody
Catalog # APR10879

Specification

Anti-DCSTAMP Reference Antibody (U.Rochester patent anti-DC-STAMP) - Product Information

Application	**FC, Kinetics, Animal Model**
Primary Accession	Q9H295
Reactivity	**Human**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**146.2 KDa**

Anti-DCSTAMP Reference Antibody (U.Rochester patent anti-DC-STAMP) - Additional Information

Target/Specificity
DCSTAMP

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-DCSTAMP Reference Antibody (U.Rochester patent anti-DC-STAMP) - Protein Information

Name DCSTAMP

Synonyms TM7SF4

Function
Probable cell surface receptor that plays several roles in cellular fusion, cell differentiation, bone and immune homeostasis. Plays a role in TNFSF11-mediated osteoclastogenesis. Cooperates with OCSTAMP in modulating cell-cell fusion in both osteoclasts and foreign body giant cells (FBGCs). Participates in osteoclast bone resorption. Involved in inducing the expression of tartrate-resistant acid phosphatase in osteoclast precursors. Plays a role in haematopoietic stem cell differentiation of bone marrow cells toward the myeloid lineage. Inhibits the development of neutrophilic granulocytes. Plays also a role in the regulation of dendritic cell (DC) antigen presentation activity

by controlling phagocytic activity. Involved in the maintenance of immune self-tolerance and avoidance of autoimmune reactions.

Cellular Location
Cell membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Endoplasmic reticulum-Golgi intermediate compartment membrane; Multi-pass membrane protein Endosome. Note=Localizes to the cell surface in osteoclasts and undifferentiated monocytes. Intracellular internalized DCSTAMP is detected in a fraction of RANKL-induced osteoclast precursor. Colocalizes with OS9 in the endoplasmic reticulum (ER) of immature dendritic cell (DC). Translocates from the endoplasmic reticulum to the intermediate/Golgi compartment upon maturation of DC in a OS9-dependent manner. Colocalizes with LAMP1 in endosomes (By similarity).

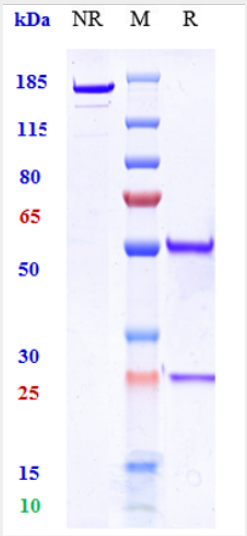
Tissue Location
Preferentially expressed by dendritic cells (DCs). Detected in both immature and mature DCs. Highly expressed in lymph nodes, lung, kidney and liver. Expressed at lower levels in pancreas, bone marrow, spleen, leukocytes, in freshly isolated peripheral blood mononuclear cells (PBMC) and B-cells. Not expressed in freshly isolated monocytes.

Anti-DCSTAMP Reference Antibody (U.Rochester patent anti-DC-STAMP) - 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-DCSTAMP Reference Antibody (U.Rochester patent anti-DC-STAMP) - Images



Anti-DCSTAMP Reference Antibody (U.Rochester patent anti-DC-STAMP) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%

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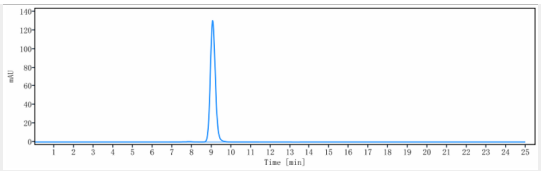

The purity of Anti-DCSTAMP Reference Antibody (U.Rochester patent anti-DC-STAMP)is more than 95% ,determined by SEC-HPLC.