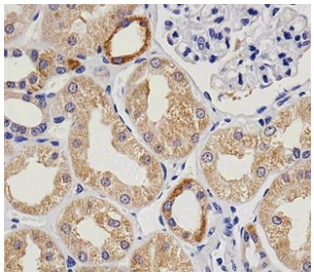
vWF Antibody for FACS / von Willebrand Factor Flow Cytometry Antibody [clone 907CT12.1.9] (F52535)

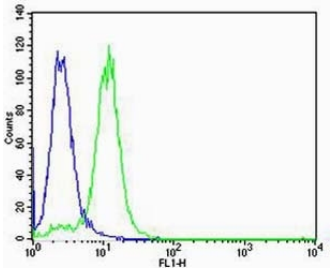
Catalog No.	Formulation	Size
F52535-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F52535-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

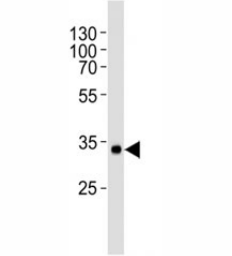
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	907CT12.1.9
Purity	Purified
UniProt	P04275
Applications	IHC (Paraffin) : 1:25 Flow Cytometry : 1:100 Western Blot : 1:1000
Limitations	This vWF antibody is available for research use only.



Immunohistochemical analysis of paraffin-embedded human kidney using vWF at 1:25 dilution.



vWF Antibody for FACS analysis. Analysis of K562 cells using vWF Antibody for FACS / von Willebrand Factor Flow Cytometry Antibody (clone 907CT12.1.9) demonstrates a clear rightward shift in fluorescence intensity (green) compared to the mouse IgG1 isotype control (blue), indicating specific intracellular detection of von Willebrand factor (VWF). The distinct separation between positive and control populations supports reliable gating and identification of VWF-expressing cells.



Western blot analysis of human recombinant protein using vWF antibody at 1:1000.

Description

Von Willebrand factor (VWF) is a large secreted glycoprotein encoded by the VWF gene and synthesized primarily by vascular endothelial cells and megakaryocytes, where it is stored in intracellular secretory granules. vWF Antibody for FACS is designed for flow cytometry applications requiring intracellular detection of VWF, enabling identification and characterization of VWF-positive cell populations at the single-cell level. VWF antibody, also referred to as von Willebrand factor antibody, is widely used as a marker of endothelial and megakaryocytic lineages in flow cytometry-based analyses.

In flow cytometry, VWF detection depends on fixation and permeabilization, as the protein is localized within Weibel-Palade bodies in endothelial cells and alpha granules in megakaryocytes rather than on the cell surface. This intracellular localization produces a distinct staining profile that allows clear separation of VWF-positive and VWF-negative populations. As a result, VWF antibody is particularly useful for distinguishing endothelial-derived cells and megakaryocytic cells within heterogeneous samples.

vWF Antibody for FACS is optimized for applications where signal clarity and population resolution are critical for accurate gating and analysis. Clone 907CT12.1.9 provides consistent intracellular staining, enabling reliable identification of VWF-expressing cells even when present at low frequency. This supports precise discrimination of positive populations in complex samples such as mixed cell suspensions, primary tissues, or cultured systems.

In multiparametric flow cytometry, VWF antibody is often used alongside surface markers to define endothelial lineage or platelet-producing cell populations with greater specificity. Its intracellular signal complements membrane marker panels, allowing researchers to refine gating strategies and improve confidence in population identification. This is particularly valuable in studies of vascular biology, hematopoiesis, and disease-associated changes in endothelial or megakaryocytic compartments.

Because VWF is not typically expressed on the cell surface, intracellular staining is essential for accurate detection in flow cytometry. vWF Antibody for FACS supports these analyses by enabling clear identification of VWF-positive populations, making it well suited for studies focused on endothelial cell characterization, megakaryocyte biology, and single-cell analysis of vascular-associated lineages.

Application Notes

Titration of the vWF Antibody for FACS / von Willebrand Factor Flow Cytometry Antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This vWF Antibody for FACS / von Willebrand Factor Flow Cytometry Antibody was produced from a mouse immunized with human recombinant protein.

Storage

Aliquot the vWF antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

von Willebrand factor FACS antibody, VWF flow cytometry antibody, von Willebrand factor clone 907CT12.1.9 antibody, VWF clone 907CT12.1.9 antibody, endothelial marker VWF FACS antibody