abcam

ab307377

Alexa Fluor® 647 Anti-Von Willebrand Factor antibody [EPR25069-131]

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Conjugation	Alexa Fluor® 647
Excitation/Emission	Ex: 650nm, Em: 665nm
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR25069-131
Purification technique	Affinity purification Protein A
Concentration	0.5 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IHC-Fr

Tested

Species	Mouse
Dilution info	1/500
Notes	-

Species	Rat
Dilution info	1/500
Notes	-

IHC-P

Tested

Species	Mouse
Dilution info	1/100
Notes	Positive staining on megakaryocytes and platelets of mouse spleen, mouse lung and rat lung.

Species	Rat
Dilution info	1/100
Notes	Positive staining on megakaryocytes and platelets of mouse spleen, mouse lung and rat lung.

Flow Cyt

Tested

Species	Mouse
Dilution info	1/500
Notes	Cells were stained with rabbit IgG or ab307377. Then stained with anti-CD41 conjugated to BV421. Gated on viable cells.

Expected

Species	Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

ICC/IF

Expected

Species	Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Target data

See full target information Vwf

Function	Important in the maintenance of hemostasis, it promotes adhesion of platelets to the sites of vascular injury by forming a molecular bridge between sub-endothelial collagen matrix and platelet-surface receptor complex GPIb-IX-V. Also acts as a chaperone for coagulation factor VIII, delivering it to the site of injury, stabilizing its heterodimeric structure and protecting it from premature clearance from plasma.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle, Store in the dark

Notes

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

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Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

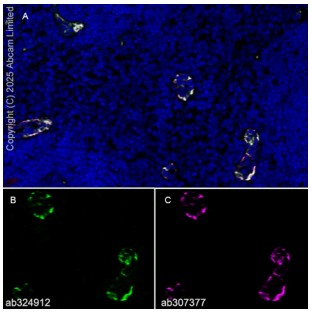
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

8 product images



Immunohistochemistry (Frozen sections) - Alexa Fluor® 647 Anti-Von Willebrand Factor antibody [EPR25069-131] (ab307377)

Von Willebrand Factor Immunohistochemistry (Frozen sections) staining of Mouse lymph node (fresh frozen) tissue using rabbit Anti-Von Willebrand Factor antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse lymph node (fresh frozen) tissue labeling Glycam1 with ab324912 at 1/500 (1.01 µg/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/mL) dilution (Green). ab307377 was used as a co-localization positive control staining high endothelial venules (magenta).
Panel A: merged staining of anti-GLYCAM1 (ab324912, green), anti-VWF (ab307377, magenta) on mouse lymph node.

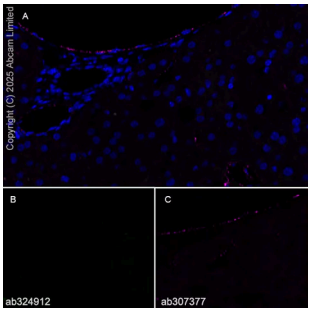
Panel B: anti-GLYCAM1 stained on mouse lymph node.

Panel C: anti-VWF stained in high endothelial venules (HEV) of mouse lymph node.

The section was incubated in two rounds of staining: in the order of ab324912 and ab307377, for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20)

The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



Immunohistochemistry (Frozen sections) - Alexa Fluor® 647 Anti-Von Willebrand Factor antibody [EPR25069-131] (ab307377)

Von Willebrand Factor Immunohistochemistry (Frozen sections) staining of Mouse liver (perfused fixed-fresh frozen) tissue using rabbit Anti-Von Willebrand Factor antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse liver (perfused fixed-fresh frozen) tissue, negative control, labeling Glycam1 with ab324912 at 1/500 (1.01 µg/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/mL) dilution (Green). ab307377 was used as a co-localization positive control (magenta).
Panel A: merged staining of anti-GLYCAM1 (ab324912, green), anti-VWF (ab307377, magenta) on mouse liver.

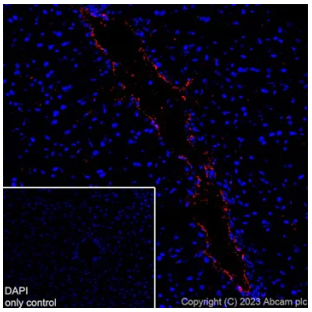
Panel B: anti-GLYCAM1 stained on mouse liver.

Panel C: anti-VWF stained in endothelial cells in mouse liver.

The section was incubated in two rounds of staining: in the order of ab324912 and ab307377, for 1 hr at room temperature. The nuclear counterstain was DAPI (Blue). The section was then mounted using Fluoromount®.

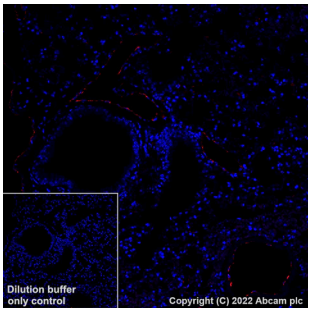
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The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



Immunohistochemistry (Frozen sections) - Alexa Fluor® 647 Anti-Von Willebrand Factor antibody [EPR25069-131] (ab307377)

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse liver (fresh) tissue labeling Von Willebrand Factor with ab307377 at 1/500 dilution (1.0 µg/ml). Confocal image showing positive staining on endothelial cells of mouse liver. The nuclear counterstain was DAPI (Blue).

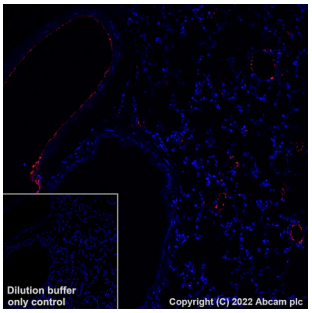


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Alexa Fluor® 647 Anti-Von Willebrand Factor antibody [EPR25069-131] (ab307377)

Von Willebrand Factor Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Mouse lung using rabbit Anti-Von Willebrand Factor antibody

Immunohistochemical analysis of paraffin-embedded Mouse lung tissue labeling Von Willebrand Factor with ab307377 at 1/100 (5.0 ug/ml) followed by a at dilution. Positive staining on endothelial cells of mouse lung.The section was incubated with ab307377 for 60 mins at room temperature (shown in red). Nuclear DNA was labeled with DAPI (shown in blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 40 mins

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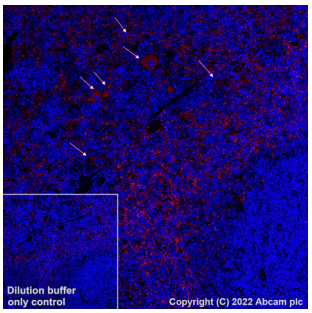


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Alexa Fluor® 647 Anti-Von Willebrand Factor antibody [EPR25069-131] (ab307377)

Von Willebrand Factor Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Rat lung using rabbit Anti-Von Willebrand Factor antibody

Immunohistochemical analysis of paraffin-embedded Rat lung tissue labeling Von Willebrand Factor with ab307377 at 1/100 (5.0 ug/ml) followed by a at dilution. Positive staining on endothelial cells of rat lung.The section was incubated with ab307377 for 60 mins at room temperature (shown in red). Nuclear DNA was labeled with DAPI (shown in blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 40 mins

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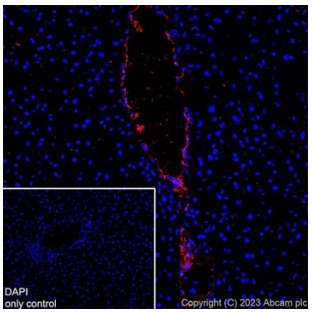


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Alexa Fluor® 647 Anti-Von Willebrand Factor antibody [EPR25069-131] (ab307377)

Von Willebrand Factor Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Mouse spleen using rabbit Anti-Von Willebrand Factor antibody

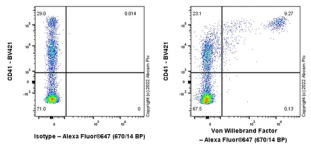
Immunohistochemical analysis of paraffin-embedded Mouse spleen tissue labeling Von Willebrand Factor with ab307377 at 1/100 (5.0 ug/ml) followed by a at dilution. Positive staining on megakaryocytes and platelets of mouse spleen.The section was incubated with ab307377 for 60 mins at room temperature (shown in red). Nuclear DNA was labeled with DAPI (shown in blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica

Biosystems BOND RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 40 mins



Immunohistochemistry (Frozen sections) - Alexa Fluor® 647 Anti-Von Willebrand Factor antibody [EPR25069-131] (ab307377)

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat liver (fresh) tissue labeling Von Willebrand Factor with ab307377 at 1/500 dilution (1.0 µg/ml). Confocal image showing positive staining on endothelial cells of rat liver. The nuclear counterstain was DAPI (Blue).



Flow Cytometry - Alexa Fluor® 647 Anti-Von Willebrand Factor antibody [EPR25069-131] (ab307377)

Von Willebrand Factor Flow Cytometry staining of Mouse blood cells using rabbit Anti-Von Willebrand Factor antibody

Flow cytometric analysis of Mouse blood cells cells labelling Von Willebrand Factor with ab307377 at 1/500 dilution (0.1ug)/ Right compared with a Rabbit IgG monoclonal [EPR25A] - Isotype Control (Alexa Fluor® 647) (ab199093) / Left isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). Cells were stained with rabbit IgG or ab307377. Then stained with anti-CD41 conjugated to BV421.Gated on viable cells.

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