

**DESCRIPTION**

<b>Species Reactivity</b>	Human
<b>Specificity</b>	VHH antibody detecting vWF-A1
<b>Source</b>	Recombinant Monoclonal Human V <sub>H</sub> H domain Clone # Hu142
<b>Purification</b>	Protein A or G purified from cell culture supernatant
<b>Immunogen</b>	vWF-A1 protein
<b>Conjugate</b>	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

**APPLICATIONS**

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

**Intracellular Staining by Flow Cytometry** Titration recommended for optimal concentration with starting range of 0.1-1 µg/1 million cells. Sample used for this experiment was HUVEC Human umbilical vein endothelial cells.

**PREPARATION AND STORAGE**

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

**BACKGROUND**

Caplacizumab is a humanized VHH immunoglobulin that binds to the A1 domain of the large von Willebrand factor resulting in the inhibition of the interaction of glycoprotein GPIb-IX-V receptor on platelet surface. The result of neutralizing of the von Willebrand factor is reduced platelet aggregation. Caplacizumab has been approved for the treatment of acute thrombotic thrombocytopenic purpura (aTTP), and has been shown to reduce the occurrence of thromboembolic events.

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