Monoclonal antibodies against human ADAMTS13
Product Nos. ADG3305 and ADG3312

Description
ADAMTS13, also known as von Willebrand Factor (vWF) cleaving protease, is a zinc metalloprotease that cleaves ultra large vWF multimers (UL-vWF) at the Tyr(1605) - Met(1606) bond located in the A2 region of vWF.\(^1\) Studies have shown that low levels of ADAMTS13 activity are associated with Thrombotic Thrombocytopenia Purpura (TTP), a life-threatening hematological condition characterized by low platelet count, microvascular thrombi, red cell fragmentation, CNS and renal complications.\(^2,3\) A deficiency or low level of ADAMTS13 activity (<5%) may lead to an accumulation of UL-vWF multimers.\(^4\) The UL-vWF multimers will bind to receptors on platelets inducing platelet aggregation and formation of intravascular thrombi.

Preparation
The monoclonal antibody ADG3305 (clone 5.1, subclass IgG\(_{1}\)) and ADG3312 (clone 12.1, subclass IgG\(_{1}\)) are directed against human ADAMTS13, von Willebrand cleaving protease purified from cell culture supernatant using Protein G affinity chromatography. Mice were immunized with purified recombinant full-length human ADAMTS13, approximate molecular ratio of 200 kDa, expressed in a eukaryotic cell line.

Presentation
Screw capped vial containing 100 µg of purified antibody in PBS pH 7.4, 0.01 % ProClin. The IgG concentration is 1 mg/ml. Spin the vial briefly before opening.

Storage and Stability
Store the antibody at 2°-8°C. For long-term storage the antibody should be aliquoted and stored at −20°C or colder. It is recommended to avoid freeze-thaw cycles.

Applications

<table>
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<tr>
<th>Product No.</th>
<th>Known Applications</th>
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<tbody>
<tr>
<td>ADG3305</td>
<td>ELISA</td>
</tr>
<tr>
<td>ADG3312</td>
<td>Western blot, Immunoprecipitation, Inhibitory</td>
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Warnings and Precautions
Contains: Mixture of: 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-2H-isothiazol-3-one (3:1) and Modified alkyl carboxylate (ProClin ® 300)

Hazard pictograms

Signal word
Warning
Hazard statements
H317 - May cause an allergic skin reaction.

Precautionary statements
P280 - Wear protective gloves.
P302 + P352 - IF ON SKIN: Wash with plenty of water.
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362 - Take off contaminated clothing and wash before reuse.
P501 - Dispose of contents/container in accordance with local/regional/ national/international regulations.

References