Monoclonal antibody against human Factor VIII
Product No. ADGESH-4

Description
The monoclonal antibody (clone ESH-4) is directed against human factor VIII:C. Mice were immunized with purified human factor VIII:C cryoprecipitate. Hybridomas were created by fusion of the immunized spleen cells with NS-1 murine myeloma cell lines.

Properties
The antibody (subclass IgG2a) is directed against the light chain, aa: 2303-2332, phospholipid binding site on C-terminus.
The cross-reactivity was tested via IRMA, in comparison with human plasma (100%): the antibody does not cross react with Pig, Dog, Guinea Pig, and Cat, the antibody does cross-react with Rabbit (145%) and Baboon (112%).

Presentation
Screw capped vial containing 0.5 mg of purified antibody in PBS, pH 7.2, 0.1 % 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
A. Immunopurification / Immunodepletion
   The antibody binds factor VIII:C from plasma when covalently coupled to gels (1).

B. Immunofluorescence Microscopy
   The antibody is useful for immunofluorescence (3).

C. Inhibitor
   Clot inhibition was tested by incubation for 2 hrs at 37°C. 89% inhibition of recombinant human factor VIII binding to vWF is inhibited at 3 µg/mL.

   The antibody is conformation dependent and is not useful for Western blotting.

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