

Monoclonal antibody against human Factor VIII

Product No. ADGESH-5

Description

The monoclonal antibody (clone ESH-5) 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 IgG₁) is directed against the A1 domain of intact heavy chain (functional epitope). The cross-reactivity was tested via IRMA, in comparison with human plasma (100%): the antibody does not cross react with Pig, Dog, Baboon, and Cat, the antibody does cross-react with Rabbit (212%) and Guinea Pig (204%).

Presentation

Screw capped vial containing 0.5 mg of purified antibody in 50 mM sodium phosphate, 50 mM trisodium citrate, 10% Maltose pH 5.8, 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

A. Immunopurification / Immunodepletion The antibody binds factor VIII:C from plasma when covalently coupled to gels ⁽¹⁾.

B. Inhibitor

Clot inhibition was tested by incubation for 2 hours at 37°C, and was 62% at 500 µg/mL (highest conc. tested).

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

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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



Warning

Signal word

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

1. The production and characterisation of a panel of ten murine monoclonal antibodies to human procoagulant factor VIII. Griffin, B. D., *et al. Thrombosis and Haemostasis*, 1986; **55**: 40-46.
2. Development, optimization and use of an enzyme linked immunosorbent assay (ELISA) to measure factor VIII antigen utilizing monoclonal antibodies. Hornsey, V. S., *et al. Transfusion Medicine*, 1992; **2**: 223-229.
3. In vivo production of human factor VII in mice after intrasplenic implantation of primary fibroblasts transfected by receptor-mediated, adenovirus-augmented gene delivery. Zatloukal, K., *et al. Proceeds of the National Academy of Science USA*, 1994; **91**: 5148-5152.
4. Some factor VIII inhibitor antibodies recognize a common epitope corresponding to C2 domain amino acids 2248 through 2312, which overlap a phospholipid-binding site. Scandella, D., *et al. Blood*, 1995; **86**: 1811-1819.

Hinweis/Note:

Der Packungsbeileger dient nur als erste Information. Der relevante Packungsbeileger liegt der Ware bei.

The datasheet is for information purposes only. The current datasheet will be enclosed with product shipment.

For research use only!

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