

Monoclonal antibody against human Vitronectin Product No. ADG1031

Description

Murine monoclonal antibody (clone VN7) directed against all forms (monomeric and multimeric) of human Vitronectin. Mice were immunized with purified human Vitronectin. The antibody has been purified from cell culture supernatant using Protein G affinity chromatography.

Presentation

Screw capped vial containing 0.5 mg of purified antibody in PBS pH 7.4, 0.01 % ProClin300. 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. ELISA

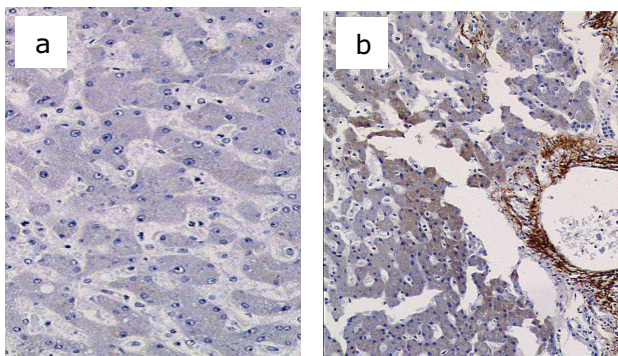
The antibody can be used as capture antibody in ELISAs. An antibody concentration of 1 - 10 µg/ml is recommended.

B. Flow cytometry

The antibody (conjugated with different fluoro-chromes) may be used for flow cytometry of cells expressing vitronectin. An antibody concentration of 10 µg/ml per 1 x 10⁶ cells is recommended [2].

C. Immunohistochemistry

The antibody can be used for immunohisto-chemistry on formalin-fixed, paraffin-embedded tissue sections. Optimal staining results were obtained with the LSAB method, no antigen-retrieval necessary.



Human liver: (a) no primary antibody (b) antibody VN-7 (100 ng/ml). Nuclei counter-stained with hematoxylin (blue), Vitronectin staining in brown.

D. Immunocytochemistry

The antibody (conjugated with different fluoro-chromes) may be used to stain permeabilized and fixed cells. An antibody concentration of 400 µg/ml per 10 x 10⁶ cells is recommended [2].

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. Multimeric vitronectin. Identification and characterization of conformation-dependent self-association of the adhesive protein. Stockmann A, Hess S, Declerck P, Timpl R, Preissner KT. J Biol Chem. 1993 Oct 25;268(30):22874-82

2. Vitronectin is sequestered within human spermatozoa and liberated following the acrosome reaction. Bronson R, Peresleni T, Golightly M, Preissner K. Mol Hum Reprod. 2000 Nov;6(11):977-82.

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