

## Monoclonal antibody against human Vitronectin Product No. 1031

**american diagnostica GmbH.**

64319 Pfungstadt • Kaplaneigasse 35

Tel: +49 (0) 6157- 990899 Fax: +49 (0) 6157- 990808

### Description

Murine monoclonal antibody (clone VN7) directed against all forms 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 clear glass vial containing 250 µg of purified IgG, lyophilized from a buffer of 0.15M PBS, pH 7.4 with 100 mM mannitol added as an excipient.

### Reconstitution

Add 250 µl of filtered deionized water to generate a 1 mg/ml stock solution.

### Storage and Stability

Store the vial of lyophilized IgG at 2°-8°C. Reconstituted IgG may be aliquoted and stored frozen at -20°C or colder. It is recommended to avoid freeze-thaw cycles.

### Applications

#### A. ELISA

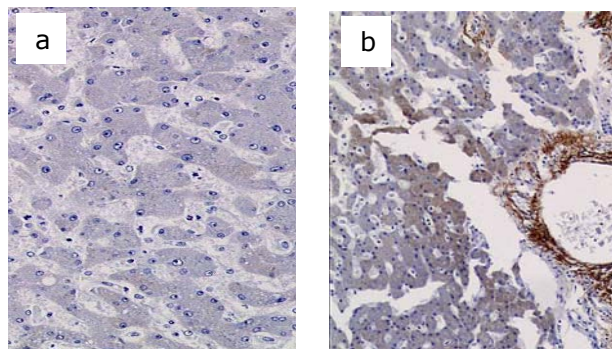
The antibody can be used as capture antibody in ELISAs. An antibody concentration of 1 - 10 µg/ml is recommended.

#### B. Flow cytometry

The antibody (conjugated with different fluorochromes) may be used for flow cytometry of cells expressing vitronectin. An antibody concentration of 10 µg/ml per  $1 \times 10^6$  cells is recommended [2].

### C. Immunohistochemistry

The antibody can be used for immunohistochemistry on formalin-fixed, paraffin-embedded tissue sections.



Human liver: (a) no primary antibody (b) antibody VN-7 (112 ng/ml). Nuclei counterstained with hematoxylin (blue). LSAB-method. Vitronectin staining in brown.

### D. Immunocytochemistry

The antibody (conjugated with different fluorochromes) may be used to stain permeabilized and fixed cells. An antibody concentration of 400 µg/ml per  $10 \times 10^6$  cells is recommended [2].

### 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.

### Related Products

Vitronectin ELISA, polyclonal antibody against human vitronectin (product no. ADG32), and human Vitronectin (product no. 103).