

VTN

Mouse Anti-Human Vitronectin (Clone BV1) mAb

Catalog No. MON3050 **Quantity:** 1 mL

Alternate Names: Vitronectin, VN, S-protein, Serum-spreading factor, V75

Description: Vitronectin is an abundant glycoprotein (~75 kDa), consisting of 459 amino acids. About one third of the protein molecular mass is composed of carbohydrates. Vitronectin is found in blood plasma and the extracellular matrix. Vitronectin is a multifunctional protein, since it promotes attachment and spreading of animal cells in vitro, it inhibits cytolysis by the complement C5b-9 complex, and it modulates antithrombin III thrombin action in blood coagulation. The protein consists of three domains: the N-terminal Somatomedin B domain (1-39), a central domain with hemopexin homology (131-342) and a C-terminal domain (347-459) also with hemopexin homology. The Somatomedin B domain binds to Plasminogen Activator Inhibitor-1 (PAI-1) and is responsible for PAI-1 stabilization. Furthermore, the Somatomedin B domain can also interact with the urokinase plasminogen activator receptor (uPAR). Vitronectin uPAR interaction is required and sufficient to initiate downstream changes in cell morphology, migration and signal transduction. MON3050 binds to soluble vitronectin as well as to membrane bound vitronectin.

Concentration: 0.1 mg/ml

UniProt ID: P04004

Specificity: Human Vitronectin

Host: Mouse

Isotype: IgG1

Clone: BV1

Formulation: PBS containing 0.1% BSA and 0.02% sodium azide

Applications: FC, ELISA, IP, WB, IF, typical starting dilution 1:50

Storage & Stability: Store at 2-8°C for up to 1 year.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences[®]
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com