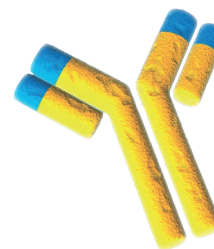


MONOCLONAL ANTIBODY



FIBRONECTIN clone BF12 (IgG₁)

Background

The extracellular matrix (ECM) consists of interstitial connective tissue and basement membrane (BM). The ECM acts as a backbone for cells and provides a physical barrier. It also influences such functions as cell proliferation, differentiation, adhesion, migration, gene expression, and tissue integrity. ECM also plays a profound role in tissue injury and healing. The detection of ECM components in various parts of the body provides an efficient tool for following malignant change, invasion and metastasis. Biohit provides monoclonal antibodies to fibronectins, tenascin, and laminin. and vitronectin.

The product is for research use only. The performance characteristics of this product have not been established. Use in human clinical diagnosis is the responsibility of the user. This product should be stored at +2 to +8 °C. Monoclonal antibody to fibronectin is derived from the hybridoma produced by fusion between myeloma cells and Balb/c spleen cells. Purified fibronectin from A8387 fibrosarcoma cells was used as an immunogen.

Cat. No. 610006	100 µg immunoglobulin in 1 ml PBS solution containing 1.0% (w/v) BSA and 0.09% (w/v) sodium azide.
Cat. No. 610033	1 mg immunoglobulin in 10 ml PBS solution containing 1.0% (w/v) BSA and 0.09% (w/v) sodium azide.
Cat. No. 610069	1 mg immunoglobulin in 10 ml PBS solution containing 0.09% (w/v) sodium azide.
Cat. No. 610070	100 µg immunoglobulin in 1 ml PBS solution containing 0.09% (w/v) sodium azide.

Specificity

The antibody reacts with the cellular and plasma forms of fibronectin and recognizes the cell binding region. The antibody crossreacts with human and guinea pig.

Application

Immunohistochemical stainings, western blotting and other immunoassays for cellular and tumor biology.

Guidelines for dilutions

Working dilution in western blotting is at least 1:1000.

References

1. Auranen M. et al. (2000) *Neuromusc. Disord.* 10, 16-23.
2. Vesaluoma M. et al. (1998) *Eye* 886-890.
3. Tuori A. et al. (1997) *Graefe's Arch. Clin. Exp. Ophthalmol.* 235, 222-229.
4. Holmbom B. et al. (1993) *Histochemistry* 99, 265-275.
5. Vartio T. et al. (1987) *J. Cell Sci.* 88, 419-430.