Product Description

Monoclonal Antibody

Art. No.: DE100

Desmin

Origin / Isotype:	Mouse IgG1
Clone:	D33
Format:	
Quantity:	1 ml
Working concentration:	1:10 - 1:20
Presentation:	Antibody solution in stabilizing phosphate buffer pH 7.3. Contains 0.09 % sodium azide**. The volume is sufficient for at least 100 immunohistochemical tests (100 µl working solution / test). Use appropriate antibody diluent e.g. BIOLOGO Art .No. PU002.
Immunogen:	Human purified Desmin from muscle cells
Specificity:	Desmin, 53 kDa intermediary filament protein
Species Specificity:	Human, chicken, hamster, rat
General Information:	Desmin is a characteristic filament protein of muscle tissues in vertebrates. It is found as well in skeletal as in smooth muscles.
Special Properties:	The antibody D33 can be used for the detection of Desmin in muscle cells and for the detection of cells of myogenic origin. It labels as well tumours of smooth muscle cells (Leiomyosarcoma) as tumours derived from skeletal muscle cells (Rhabdomyosarcoma).
Positive control:	Appendix
Pre-treatment:	Pre-treatment with proteases is not recommended, unmasking fluid G (Art. No. DE007) or C (Art. No. DE000) may be helpful after long time formaldehyde fixation.
Applications:	IHC(P)
Incubation Time:	60 min at RT
Secondary Reagents:	We recommend the use of BIOLOGO's Universal Staining System DAB (Art. No. DA005) or AEC (Art.-No. AE005), if higher sensitivity is required VECTASTAIN Elite ABC (Art. No. PK-6102) or ABC AP (Art. No. AK-5002) systems are applicable.
Storage:	2-8°C

Literature:

1. Van Muijen G.N.P., Ruiter D.J., and Warnaar S.O. (1987) Co-expression of intermediate filament polypeptides in human fetal and adult tissues. Lab. Invest. 57; 359-369.
2. Pitt M.A., Roberts I.S.D., Agbamu D.A., and Eyden B.P. (1993) The nature of atypical multinucleated stromal cells: a study of 37 cases from different sites. Histopathol. 23; 137-145.

Notes:

*BIOLOGO's antibodies are intended for in vitro research use only. They must not be used for clinical diagnostics and not for in vivo experiments in humans or animals.

** The preservative sodium azide is known to be poisonous and potentially hazardous to health. It should be handled only by trained staff. Despite of the product's low azide concentration it must be handled with care. Dispose according to regional rules!

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