

Mouse Anti-Human Desmin,
monoclonal

CatNo **K057**

BatchNo: See Label
Expiration Date: See Label
Storage: 2-8 °C

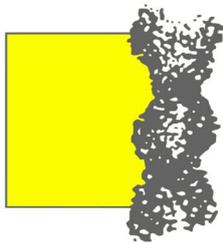
Clone Number:	D33
Volume/Quantity:	0.5 ml
Product Form:	Tissue Culture Supernatant - liquid
Buffer:	Dialysed against 0.05 M Tris/HCl, pH7.2
Preservatives Stabilisers:	15 mM Sodium Azide (NaN ₃)
Approx. Protein Concentrations:	IgG concentration 0.111 mg/ml
Immunogen:	Desmin purified from human muscle.
Isotype:	IgG1 (Mouse)
Specificity:	K057 reacts with the 53 kD intermediate filament protein desmin in human muscle cells. The antibody does not recognize other filament proteins. In normal tissues both striated (skeletal and cardiac) and smooth muscle cells are labelled. The labelling is confined to the Z bands in skeletal and cardiac muscle, giving a characteristic striated appearance. In tumour cells reacts the antibody with tumours of myogenic origin, both those arising from smooth muscle (leiomyosarcomas) and those derived from striated muscle (rhabdomyosarcomas) (1,2)
Species Cross Reactivity:	Human, rat, chicken, hamster.

Applications:	Suggested Working Dilution	
FlowCytometry	Not tested	
Immunohistology-frozen	Yes	1/50 – 1/100
Immunohistology-paraffin	Yes	1/50 – 1/100
Immunohistology-resin	Not tested	
ELISA	Not tested	
Immunoprecipitation	Not tested	
Western Blotting	Not tested	
Radioimmunoassay	Not tested	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

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Immunohistology

Pre-treatment:	To improve the staining pattern, antigen retrieval, such as by heating in HistoSafe-Enhancer (LINARIS CatNo E7000) can be used.
Recommended Secondary Reagents:	F(ab') ₂ rabbit anti-mouse IgG HRP conjugate – (LINARIS CatNo LST0013B) Vectastain [®] ABC Mouse IgG (Vector CatNo AK-5002) and Substrate-Kit e.g. Vector [®] Red (Vector CatNo SK-5100). Vectastain [®] ABC-Elite Mouse IgG (Vector CatNo PK-6102) and Peroxidase Substrate-Kit e.g. DAB (LINARIS CatNo E108) or HistoGreen (LINARIS CatNo E109).
Recommended Negative Controls:	Mouse IgG1 Negative Control (LINARIS CatNo ITC0928)

References

1. Van Muijen GNP, Ruiter DJ, Warnaar SO (1987). Coexpression of intermediate filament polypeptides in human fetal and adult tissues. *Lab Invest* **57**: 359 – 369.
2. Pitt MA, Roberts ISD, Agbamu DA, Eyden BP (1993). The nature of atypical multinucleated stromal cells: a study of 37 cases from different site. *Histopathol* **23**: 137 – 145.

Storage Conditions:	Store at 2-8°C. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life:	18 months from date of despatch.
Health and Safety Information:	(A full Health and Safety assessment is available upon request) This product contains sodium azide: a POISONOUS and HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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For Research purposes only. Not for therapeutic or diagnostic use.

