

## DES

### Mouse Anti-Human Desmin (Clone D33) mAb

<b>Catalog No.</b>	MON3001-1 MON3001-5	<b>Quantity:</b>	1 mL 5 mL
<b>Description:</b>	The monoclonal antibody recognizes human desmin, a muscle-specific class III intermediate filament. Homopolymers of this protein form a stable intra-cytoplasmic filamentous network connecting myofibrils to each other and to the plasma membrane.		
<b>UniProt ID:</b>	P17661		
<b>Concentration:</b>	~25 µg/mL		
<b>Conjugate:</b>	Unconjugated		
<b>Specificity:</b>	Highly reactive with human desmin. On immunoblots, only the 52 kDa desmin band is detected. The antibody stains muscle cells in human tissues.		
<b>Host:</b>	Mouse		
<b>Isotype:</b>	IgG1		
<b>Immunogen:</b>	Human Leiomyoma		
<b>Clone:</b>	D33		
<b>Formulation:</b>	Cell culture supernatant diluted in 0.15 M PBS with 1% BSA and 0.1% sodium azide. 1 ml sufficient for 100-500 tests.		
<b>Cross-Reactivity:</b>	No detectable cross-reactivity with GFAP, Keratin, Vimentin, or Neurofilament		
<b>Applications:</b>	Western Blot (WB), Immunohistochemistry-frozen (IHC-F), Immunofluorescence (IF)		
<b>Application Notes:</b>	<b>Western blot:</b> a preparation of leiomyoma cells is recommended for positive control. <b>IHC/ IF:</b> For staining muscle cells in human tissues dilute the antibody approximately 1:100, preferably in PBS. Frozen sections show excellent staining in IHC/ IF, while staining is somewhat reduced on sections of formalin-fixed and paraffin-embedded tissue. Positive Controls: Skeletal muscle, rhabdomyosarcomas, and leiomyoma cells. The optimal concentration should be determined by the user for each specific application.		
<b>Storage &amp; Stability:</b>	Stable at 2-8 °C for up to 1 year.		

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