



Mouse Monoclonal Antibody to Desmin

Catalogue Number	sAP-0075
Target Molecule	Name: Desmin Aliases: Desmin MW: N/A Entrez Gene ID: 1674
Description	Desmin (DES), with 470-amino acid protein (about 52kDa), belongs to the intermediate filament family and Desmin is class III intermediate filaments found in muscle cells. Homopolymers of Desmin form a stable intracytoplasmic filamentous network connecting myofibrils to each other and to the plasma membrane. Mutations in Desmin are associated with desmin-related myopathy, a familial cardiac and skeletal myopathy (CSM), and with distal myopathies. Desmin is also expressed in smooth muscle cells of both airways and alveolar ducts and Desmin is a load-bearing protein that stiffens the airways and consequently the lung and modulates airway contractile response.
Immunogen	Purified recombinant fragment of Desmin expressed in E. Coli.
Recombinant Species	Human
Clone	MM10H7D2;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Felix R. Shardonofsky, Yassemi Capetanaki, and Aladin M. Boriek. Am J Physiol Lung Cell Mol Physiol, May 2006; 290: L890 - L896. ; 2. Xupei Huang, Jian Li, Dalton Foster. Experimental Biology and Medicine, Dec 2002; 227: 1039. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**