Desmin (Muscle Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone DES/1711]

Catalog No	Format	Size
1674-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1674-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1674-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

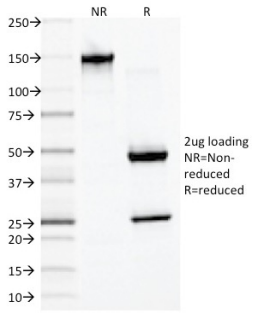
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

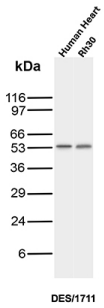
Clone	DES/1711
Gene Name	DES
Immunogen	Recombinant human desmin protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	52kDa
Cellular Localization	Cell membrane, Cytoplasm, Myofibril, Nucleus, Sarcolemma, Sarcomere, Z line
Species Reactivity	Chicken, Hamster, Human, Mouse, Rat
Positive Control	SJRH30 cells. Uterus or Leiomyosarcoma. Heart.

**Optimal dilution for a specific application should be determined.*

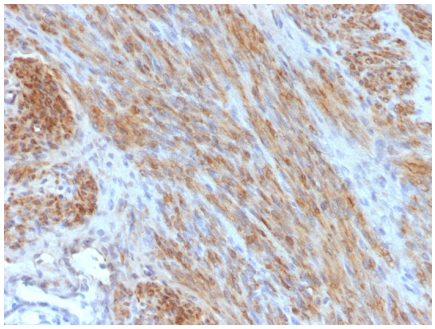
Product Images for Desmin (Muscle Cell Marker) Antibody



SDS-PAGE Analysis of Purified Desmin Monoclonal Antibody (DES/1711). Confirmation of Purity and Integrity of Antibody.



Western blot analysis of Human heart and RH-30 lysates using Desmin Mouse Monoclonal Antibody (DES/1711).



Formalin-fixed, paraffin-embedded human Uterus stained with Desmin Monoclonal Antibody (DES/1711)

Specificity & Comments

Cytoskeletal intermediate filaments (IFs) constitute a diverse group of proteins that are expressed in a highly tissue-specific manner. IFs are constructed from two-chain -helical coiled-coil molecules arranged on an imperfect helical lattice, and have been widely used as markers for distinguishing individual cell types within a tissue and identifying the origins of metastatic tumors. Vimentin is an IF general marker of cells originating in the mesenchyme. Vimentin and Desmin, a related class III IF, are both expressed during skeletal muscle development. Desmin, a 469 amino acid protein found near the Z line in sarcomeres, is expressed more frequently in adult differentiated state tissues. Anti-desmin detects cells of normal smooth, skeletal, and cardiac muscles.Antibody reacts with leiomyomas, leiomyosarcoma, rhabdomyomas, rhabdomyosarcoma, and perivascular cells of glomus tumors of the skin.

Supplied As

200ug/ml of Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Mesenchymal Stem Cell Differentiation

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.