

Product Datasheet

Mouse Desmin Antibody (orb137675)

Catalog Number	orb137675
Category	Antibodies
Description	<p>Mouse monoclonal to Desmin. Desmin is a 53 kDa intermediate filament protein that exhibits a high degree of tissue specificity, its expression being predominantly confined to all types of muscle cells (cardiac, skeletal and smooth muscle). Regulation of desmin expression is stage and tissue-specific, since it is induced during terminal development. In skeletal en cardiac muscle cells desmin is localized in the Z-disk region and at the intercalated disk. The expression pattern of desmin in smooth muscle is much more heterogenous. Coexpression of vimentin and desmin has been observed in tumors derived from muscle tissue, i.e. rhabdomyosarcomas and leiomyosarcomas. Furthermore, during myocard dysfunction dramatic changes in the distribution of desmin have been observed.</p>
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG1
Conjugation	Unconjugated
Reactivity	Gallus, Hamster, Human, Rat
Form/Appearance	Each vial contains 100ul 1mg/ml purified monoclonal antibody in phosphate buffered saline (PBS) containing 0.09% sodium azide
UniProt ID	P17661
Tested applications	ICC, IHC-Fr, IHC-P, WB

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Specificity	The antibody D33 reacts exclusively with desmin, which is expressed in smooth and striated muscle cells and their tumors e.g. rhabdomyosarcoma and leiomyosarcoma in human, hamster, rat and chicken. The antibody does not cross react with vimentin or any of the other intermediate filament proteins.
Antibody Type	Primary Antibody
Clone Number	D33
Source	D33 is a mouse monoclonal IgG1 antibody derived by fusion of mouse myeloma cells with spleen cells from a BALB/c mouse immunized with purified desmin from a leiomyosarcoma.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.

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