

## Product datasheet for **BM5500P**

### Desmin (DES) Mouse Monoclonal Antibody [Clone ID: D9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	D9
Applications:	IHC, WB
Recommended Dilution:	<b>Immunoblotting.</b> <b>Immunohistochemistry on Frozen Sections.</b> <b>Immunohistochemistry on Paraffin Embedded Sections.</b> <i>Recommended Dilutions:</i> 1/25-1/200 for immunohistochemistry with avidinbiotinylated horseradish peroxidase complex (ABC) as detection reagent) and 1/100-1/1000 for immunoblotting.
Reactivity:	Chicken, Human, Mouse, Porcine, Rabbit, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Desmin isolated from Human leiomyoma.
Specificity:	D9 reacts exclusively with Desmin, which is expressed in smooth and striated muscle cells and their tumors e.g. rhabdomyosarcoma and leiomyosarcoma.
Formulation:	PBS State: Purified State: Liquid, purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	desmin
Database Link:	<a href="#">Entrez Gene 1674 Human P17661</a>



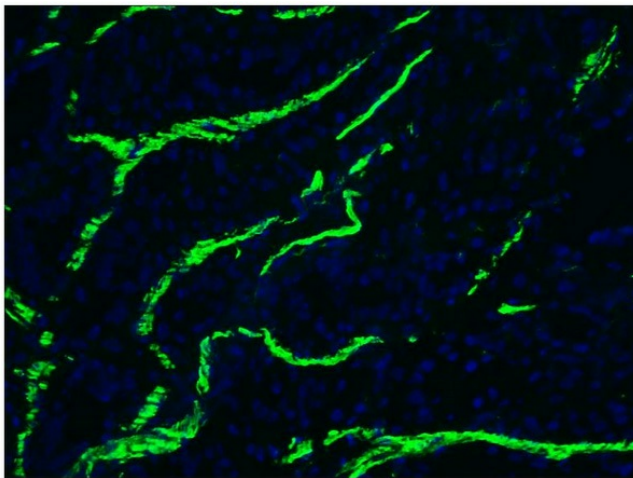
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**Background:**

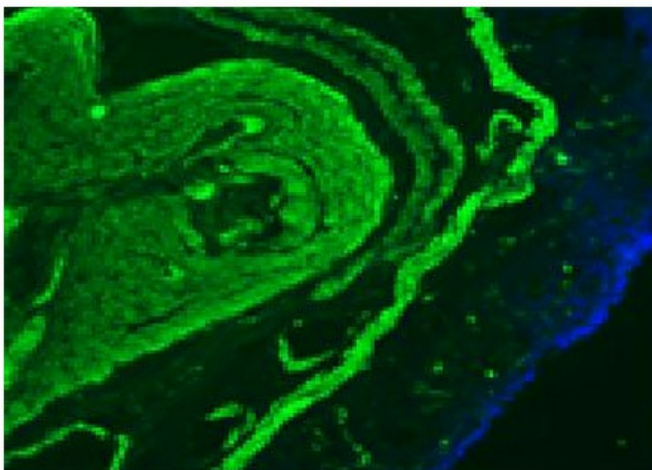
Desmin (53 kDa) exhibits a high degree of tissue specificity, its expression being predominantly confined to all types of muscle cells (cardiac, skeletal and smooth muscle). Regulation of desmin expression is stage and tissue-specific, since it is induced during terminal development of, for example, skeletal muscle cell differentiation. In skeletal and 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 heterogeneous. 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.

**Synonyms:**

DES

**Product images:**


Immunohistochemistry on frozen sections of swine stomach showing staining of muscle tissues



Immunohistochemistry on frozen sections of swine colon showing staining of muscle tissues