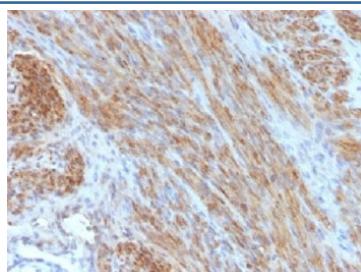


## Desmin Antibody [clone DES/1711] (V3195)

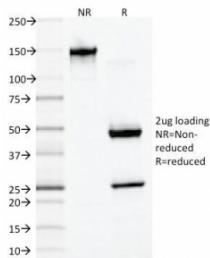
Catalog No.	Formulation	Size
V3195-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3195-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3195SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

### Bulk quote request

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	DES/1711
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P17661
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Immunofluorescence : 1-2ug/ml Flow Cytometry : 0.5-1ug/10 <sup>6</sup> cells Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This Desmin antibody is available for research use only.



IHC testing of FFPE human uterus with Desmin antibody (clone DES/1711). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min.



## Description

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  $\text{I}\pm\text{L}$ -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.

## Application Notes

Optimal dilution of the Desmin antibody should be determined by the researcher.

## Immunogen

Recombinant human Desmin was used as the immunogen for the Desmin antibody.

## Storage

Store the Desmin antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).