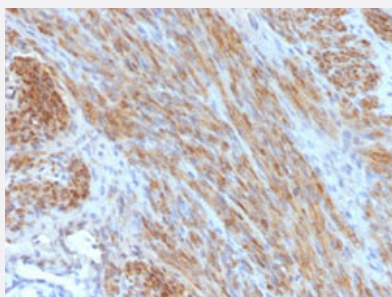


# DES monoclonal antibody, clone DES/1711

Catalog # MAB14497      Size 100 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human uterus with DES monoclonal antibody, clone DES/1711 (Cat # MAB14497).

## Specification

|                             |                                                                                                                                                                                                                                                                               |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Mouse monoclonal antibody raised against full length recombinant human DES.                                                                                                                                                                                                   |
| <b>Immunogen</b>            | Recombinant protein corresponding to full length human DES.                                                                                                                                                                                                                   |
| <b>Host</b>                 | Mouse                                                                                                                                                                                                                                                                         |
| <b>Theoretical MW (kDa)</b> | 52                                                                                                                                                                                                                                                                            |
| <b>Reactivity</b>           | Human                                                                                                                                                                                                                                                                         |
| <b>Form</b>                 | Liquid                                                                                                                                                                                                                                                                        |
| <b>Purification</b>         | Protein A/G purification                                                                                                                                                                                                                                                      |
| <b>Isotype</b>              | IgG1, kappa                                                                                                                                                                                                                                                                   |
| <b>Recommend Usage</b>      | Flow Cytometry (0.5-1 ug/10 <sup>6</sup> cells)<br>Immunofluorescence (1-2 ug/mL)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL)<br>Western Blotting (0.5-1 ug/mL)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>       | In 10 mM PBS (0.05% BSA, 0.05% sodium azide).                                                                                                                                                                                                                                 |

**Storage Instruction**

Store at 4°C.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)  
Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human uterus with DES monoclonal antibody, clone DES/1711 (Cat # MAB14497).
- Immunofluorescence
- Flow Cytometry

## Gene Info — DES

**Entrez GeneID** [1674](#)**Protein Accession#** [P17661](#)**Gene Name** DES**Gene Alias** CMD1I, CSM1, CSM2, FLJ12025, FLJ39719, FLJ41013, FLJ41793**Gene Description** desmin**Omim ID** [125660](#) [601419](#) [604765](#)**Gene Ontology** [Hyperlink](#)

**Gene Summary** This gene encodes a muscle-specific class III intermediate filament. Homopolymers of this protein form a stable intracytoplasmic filamentous network connecting myofibrils to each other and to the plasma membrane. Mutations in this gene are associated with desmin-related myopathy, a familial cardiac and skeletal myopathy (CSM), and with distal myopathies. [provided by RefSeq]

**Other Designations** OTTHUMP00000064865|intermediate filament protein

## Publication Reference

- [Human desmin-coding gene: complete nucleotide sequence, characterization and regulation of expression during myogenesis and development.](#)

Li ZL, Lilienbaum A, Butler-Browne G, Paulin D.

Gene 1989 May; 78(2):243.

## Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)

## Disease

- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)