

**S100**  
**Mouse Monoclonal antibody(Mab)**  
**Catalog # AD80139****Specification**

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**S100 - Product info**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC-P                  |
| Primary Accession | <a href="#">P23297</a> |
| Reactivity        | Human                  |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Calculated MW     | 10546                  |

**S100 - Additional info**

|           |        |
|-----------|--------|
| Gene ID   | 6271   |
| Gene Name | S100A1 |

**Other Names**

Protein S100-A1, S-100 protein alpha chain, S-100 protein subunit alpha, S100 calcium-binding protein A1, S100A1, S100A

**Dilution**

IHC-P~~Ready-to-use

**Storage**

Maintain refrigerated at 2-8°C

**Precautions**

**S100 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**

**S100 - Protein Information****Name** S100A1**Synonyms****Function****S100A**

Probably acts as a Ca(2+) signal transducer (PubMed:[22399290](#)). In response to an increase in intracellular Ca(2+) levels, binds calcium which triggers a conformational change (PubMed:[23351007](#)). This conformational change allows interaction of S100A1 with specific target proteins, such as TPR-containing proteins, and the modulation of their activity (PubMed:[22399290](#)).

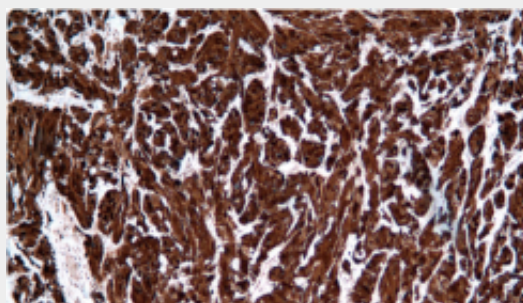
**Cytoplasm.****Cellular Location****Tissue Location**

Highly prevalent in heart. Also found in lesser quantities in skeletal muscle and

**brain****S100 - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**S100 - Images**

Malignant melanoma