# S100P / MIG9 Antibody

Mouse Monoclonal Antibody [Clone S100P/7375]

| Catalog No | Format | Size |
|---|---|---|
| 6286-MSM5-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 6286-MSM5-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 6286-MSM5-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

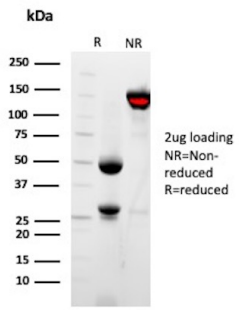
| Applications | Tested Dillution | Note |
|---|---|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |

## Product Details

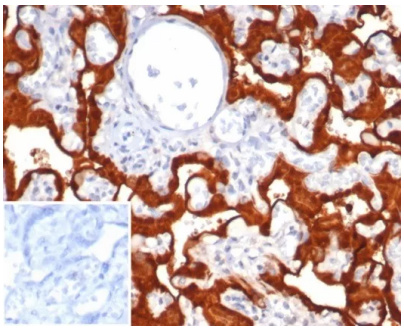
| | |
|---|---|
| **Clone** | S100P/7375 |
| **Gene Name** | S100P |
| **Immunogen** | Recombinant fragment (around aa1-95) of human MIG9 protein (exact sequence is proprietary) |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG2a / Kappa |
| **Mol. Weight of Antigen** | 10kDa |
| **Cellular Localization** | Nucleus. Cytoplasm. Colocalizes with S100PBP in the nucleus. |
| **Species Reactivity** | Human |
| **Positive Control** | Human pancreatic adenocarcinoma\|placenta or spleen tissue. |

**Optimal dilution for a specific application should be determined.*

## Product Images for S100P / MIG9 Antibody




SDS-PAGE Analysis of Purified S100B Mouse Monoclonal Antibody (S100P/7375 ). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human placenta stained with S100P Recombinant Mouse Monoclonal Antibody (S100P/7375). Inset: PBS instead of primary antibody; secondary only negative control.

### Specificity & Comments

S100P is a 95-amino-acid protein and a member of the S100 family. S100P has been shown to mediate tumor growth, metastasis and invasion through the binding of Ca2+ ions, receptor for advanced glycation end products, cytoskeletal protein ezrin, calcyclin-binding protein/Siah-1-interacting protein and cathepsin D.S100P highly expressed in human placenta, gastrointestinal tract, and esophageal mucosa, but always negative in pancreas and liver. Overexpression of S100P has been detected in several cancers such as breast, colon, prostate, pancreatic and lung carcinomas, and the protein has been functionally implicated in carcinogenic processes. S100P could potentially serve as diagnostic marker, prognostic/predictive indicator and therapy target for different carcinomas.

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Immunology, Nuclear Marker

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.