

S100A4 / Metastasin / Calvasculin (Marker of Tumor Metastasis) Antibody

Mouse Monoclonal Antibody [Clone S100A4/6803]

| Catalog No | Format | Size |
|------------------|---|--------|
| 6275-MSM13-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 6275-MSM13-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 6275-MSM13-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

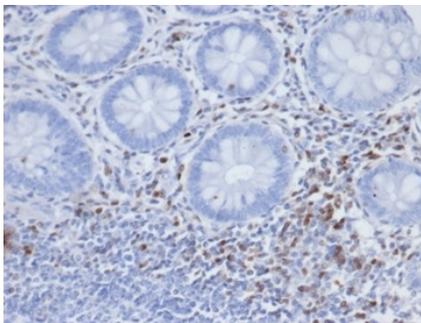
| Applications | Tested Dillution | Note |
|----------------------------|------------------|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT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

Product Details

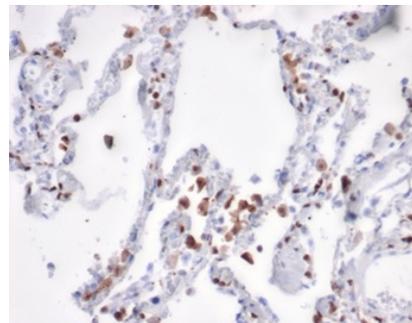
| | |
|-------------------------------|--|
| Clone | S100A4/6803 |
| Gene Name | S100A4 |
| Immunogen | Recombinant fragment (around aa 1-200) of human S100A4 protein (exact sequence is proprietary) |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype / Light Chain | IgG1 / Kappa |
| Mol. Weight of Antigen | 10-12kDa |
| Cellular Localization | Cytoplasm, Nucleus, Secreted |
| Species Reactivity | Human |
| Positive Control | A549 or A375 cells. Human placenta., HeLa, PANC-1 |

*Optimal dilution for a specific application should be determined.

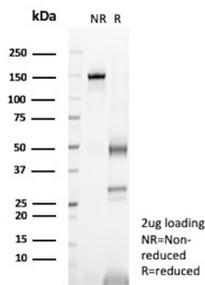
Product Images for S100A4 / Metastasin / Calvasculin (Marker of Tumor Metastasis) Antibody



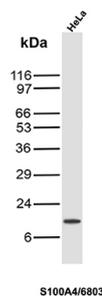
Formalin-fixed, paraffin-embedded human colon stained with S100A4 Mouse Monoclonal Antibody (S100A4/6803). HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



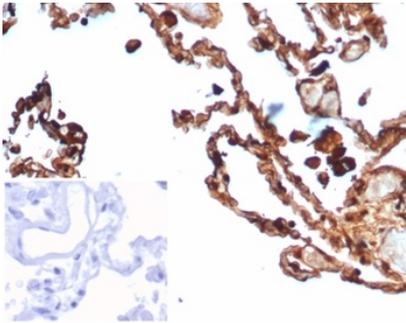
Formalin-fixed, paraffin-embedded human lung stained with S100A4 Mouse Monoclonal Antibody (S100A4/6803). HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified Protein S100-A4 Mouse Monoclonal Antibody (S100A4/6803). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of HeLa lysate using S100A4 Mouse Monoclonal Antibody (S100A4/6803).



Formalin-fixed, paraffin-embedded human lung stained with S100A4 Mouse Monoclonal Antibody (S100A4/6803). HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

S100A4 belongs to the S100 super-family of proteins containing 2 EF-hand calcium-binding domains. S100 genes include at least 25 members, including S100A1-S100A18, trichohyalin, filaggrin, repetin, S100P, and S100Z. S100A4 exerts its function via direct interaction with a number of proteins including P53, P63, non-muscle myosin IIA, β 4 integrin, and liprin b1. S100A4 is overexpressed in highly metastatic cancers, which makes it useful as a marker of tumor progression.

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

Dendritic Cell 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.