Antibody to S-100 Protein

Cat. No. VP-S275

Product Specifications

**Description:**
S-100 Protein mouse monoclonal antibody

**Immunoglobulin class:** IgG1

**Clone:** S1/61/69

**Immunogen:** S-100 protein.

**Epitope:** Not determined.

**Presentation:** Lyophilized tissue culture supernatant containing 15mM sodium azide. Reconstitute with 1ml of water.

**Species cross-reactivity:** Human

**Storage Conditions:**
Keep unopened vial at 2 - 8 °C for 1 year. Once opened it is recommended that reconstituted stock solution be aliquoted and quick frozen and stored at -20 °C. Do not repeatedly freeze/thaw.

**Applications:**

**Immunohistochemistry**

- **Paraffin sections:** Yes
- **Frozen sections:** Yes. Note: S-100 is a highly soluble protein and tends to be eluted from the tissue during the staining procedure.
- **Working Dilution**: 1:20 - 1:40 for 1 hr at 25°C
- **Positive Control:** Melanoma. Cytoplasmic and nuclear staining pattern.

**Western blotting:** Not tested.

* Recommended dilutions using VECTASTAIN® Elite® ABC Kits.

**Functional Aspects:**
S-100 protein is found in neuroectodermal tissue, including nerves and melanocytes, Langerhans cells in skin and interdigitating reticulum cells in the paracortex of lymph nodes. This antibody is not recommended for staining neural elements, but stains almost all malignant melanomas.

**Selected References**


VP-S275 is recommended FOR PROFESSIONAL AND RESEARCH USE ONLY.