

## Rabbit S-100 Monoclonal Antibody | anti-S-100 antibody

Anti - S-100

| CATALOG # | HOST   | APPLICATIONS         |
|-----------|--------|----------------------|
| AAA78998  | Rabbit | Immunohistochemistry |

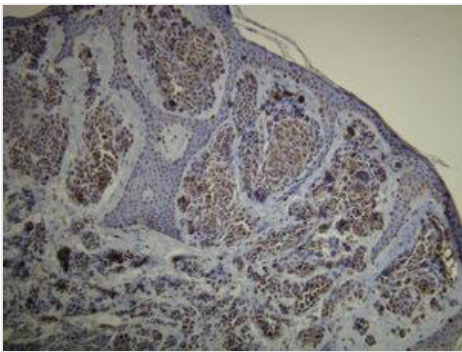
### PRODUCT SYNONYMS

S-100; Monoclonal Antibody; Anti - S-100; anti-S-100 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Clone Number                                    | D28-E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Specificity                                     | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Sequence Length                                 | 94                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Applicable Applications for anti-S-100 antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Immunogen                                       | Peptide derived from N-terminal sequence of human S100-A1 protein. Antibody recognizes the epitope between Val55 - Glu74.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Buffer                                          | 20 mM Tris-HCl, pH 8.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Stabilizer                                      | 20 mg/ml BSA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Preservative                                    | 0.05% NaN <sub>3</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Cellular Localization                           | Cytoplasm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Positive Control                                | Human neurofibroma tissue, skin melanoma tissue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Precautions                                     | <ol style="list-style-type: none"><li>1. We strongly recommend to use Primary Antibody Diluent (please inquire), eventually alternative diluent (containing protease free BSA at the concentrations <math>\geq 1\text{mg/ml}</math>) for dilution of concentrated antibodies, otherwise the warranty might be voided.</li><li>2. Centrifuge the vial before use.</li><li>3. Intended for professional use in laboratories.</li><li>4. Do not use after expiration date stamped on vial label.</li><li>5. Avoid contamination of the reagent.</li><li>6. Any discrepancies in the recommended procedures stated in the working protocol may affect the final results.</li><li>7. The reagent contains sodium azide (NaN<sub>3</sub>) which is highly toxic in higher concentrations. The concentration in the reagent (0.05%) is not considered as hazardous.</li><li>8. Disposal of waste material must be conducted in accordance with local regulations.</li><li>9. Wear appropriate Personal Protective Equipment to avoid contact with eyes and skin.</li></ol> |
| Preparation and Storage                         | Store at +4°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

IMAGES



**IHC (Immunohistochemistry)**  
S-100 protein expression in the cutaneous malignant melanoma. Formalin fixed, paraffin embedded human tissue (4 um section) stained with anti-S-100 (AAA78998) monospecific clonal antibody according to related datasheet.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 134136                                                                                                                                                |
| NCBI GeneID                      | 6271                                                                                                                                                  |
| UniProt Accession #              | P23297; Q5T7Y3; B2R5D9                                                                                                                                |
| NCBI Official Full Name          | Protein S100-A1                                                                                                                                       |
| NCBI Official Synonym Full Names | S100 calcium binding protein A1                                                                                                                       |
| NCBI Official Symbol             | S100A1                                                                                                                                                |
| NCBI Official Synonym Symbols    | S100; S100A; S100-alpha                                                                                                                               |
| NCBI Protein Information         | protein S100-A1; S100 alpha; S-100 protein alpha chain; S-100 protein subunit alpha; S100 calcium-binding protein A1; S100 protein, alpha polypeptide |
| UniProt Protein Name             | Protein S100-A1                                                                                                                                       |
| UniProt Gene Name                | <b>S100A1</b>                                                                                                                                         |
| UniProt Synonym Gene Names       | S100A                                                                                                                                                 |
| UniProt Entry Name               | S10A1_HUMAN                                                                                                                                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/s-100-antibody-clone-d28-e-immunohistochemistry-elisa/78998>