



# Magic™ Anti-S100 monoclonal antibody, clone N0050733 (DCABY-4623)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                    |                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------|
| Specificity        | Human                                                                                                             |
| Immunogen          | S100 antibody was raised in mouse using human brain S-100 protein as the immunogen.                               |
| Isotype            | IgG2a                                                                                                             |
| Source/Host        | Mouse                                                                                                             |
| Species Reactivity | Human                                                                                                             |
| Clone              | N0050733                                                                                                          |
| Purification       | S100 antibody was purified by chromatography on protein A Sepharose.                                              |
| Conjugate          | Unconjugated                                                                                                      |
| Applications       | ELISA Pr*, WB<br>Suggested pair for sandwich ELISA (Capture - Detection): <a href="#">DCABY-4622</a> - DCABY-4623 |
| Format             | Liquid                                                                                                            |
| Size               | 1 mg                                                                                                              |
| Buffer             | Protein A purified and supplied in 10mM PBS, pH 7.4, with 0.1 % NaN <sub>3</sub> .                                |
| Preservative       | 0.1% Sodium Azide                                                                                                 |
| Storage            | Store at 4 °C                                                                                                     |

## BACKGROUND

**Introduction**

S-100 protein is a family of low molecular weight protein found in vertebrates characterized by two calcium binding sites of the helix-loop-helix conformation. There are at least 21 different types of S100 proteins. which are involved in regulation of protein phosphorylation, transcription factors, Ca++ homeostasis, the dynamics of cytoskeleton constituents, enzyme activities, cell growth and differentiation, and the inflammatory response.

**Keywords**

S100; S100 Astrocyte Marker; S 100; S-100; S100 Protein;

## GENE INFORMATION

**Entrez Gene ID**

[6271](#)

**UniProt ID**

[B2R5D9](#)