

Code No. 11071

Anti-S-100 Protein (2A10) Mouse IgG MoAb

Volume : 1 mL (500 µg)

Introduction :	:	S100 proteins (16 members) show a very divergent pattern of cell- and tissue-specific expression, of subcellular localizations and relocations, of post-translational modifications, and of affinities for Ca^2+ , Zn^2+ , and Cu^2+ , consistent with their pleiotropic intra- and extracellular functions. Up to 40 target proteins are reported to interact with S100 proteins and for S100A1 alone 15 target proteins are presently known. Therefore it is not surprising that many functional roles have been proposed and that several human disorders such as cancer, neurodegenerative diseases, cardiomyopathies, inflammations, diabetes, and allergies are associated with an altered expression of S100 proteins.
Antigen	:	Bovine brain S-100 Protein
Source	:	Mouse-Mouse hybridoma

(X63-Ag8.653 × BALB/c spleen cells)

Clone : 2A10

Subclass : IgG1

- Purification : Purified with Protein A
- Form : Lyophilized product from PBS containing 1 % BSA and 0.05 % NaN₃

: 1.0 mL deionized water will be added to the product. How to use

Stability : Lyophilized product, 5 years at 2 – 8 °C

- : Solution, 2 years at -20 °C
- Application : This antibody can be stained in formalin fixed paraffin embedded tissues by several immunohistochemical techniques such as streptavidin-biotin (SAB) methodafter microwave pretreatment (10 min, 10mM citrate buffer, pH 6.0) . The optimal dilution is about 2 - 5 µg/mL, however, the dilution rate should be optimized by each laboratories.
 - : This antibody can be used for western blotting in concentration of about 2 5 µg/mL.

Specificity : React to β chain of bovine and human S-100 protein

For research use only, not for use in diagnostic procedures.

