# S100B Mouse mAb

Catalog No.: A28321



## **Basic Information**

### **Observed MW**

11 kDa

### **Calculated MW**

11 kDa

## Category

Primary antibody

### **Applications**

WB,IF-P,IHC-P,ELISA

### **Cross-Reactivity**

Human, Mouse, Rat

#### CloneNo number

AMC50092

## **Background**

The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21; however, this gene is located at 21q22.3. This protein may function in Neurite extension, proliferation of melanoma cells, stimulation of Ca2+ fluxes, inhibition of PKC-mediated phosphorylation, astrocytosis and axonal proliferation, and inhibition of microtubule assembly. Chromosomal rearrangements and altered expression of this gene have been implicated in several neurological, neoplastic, and other types of diseases, including Alzheimer's disease, Down's syndrome, epilepsy, amyotrophic lateral sclerosis, melanoma, and type I diabetes.

## **Recommended Dilutions**

**WB** 1:3000 - 1:20000

IF-P 1:200 - 1:800

IHC-P 1:5000 - 1:20000

**ELISA** Recommended starting

concentration is 1 µg/mL.

Please optimize the concentration based on your specific assay requirements. For highratio antibody dilutions (≥1:10000)□a sequential dilution method is strongly recommended to ensure measurement accuracy.

## Immunogen Information

**Gene ID Swiss Prot** 6285 P04271

### **Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

## **Synonyms**

NEF; S100; S100-B; S100beta

## **Product Information**

SourceIsotypePurificationMouseIgGAffinity purification

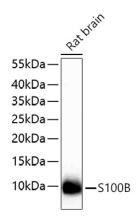
#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

# Contact

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Western blot analysis of lysates from Rat brain using S100B Mouse mAb (A28321) at 1:5000 dilution incubated overnight at  $4^{\circ}$ C.

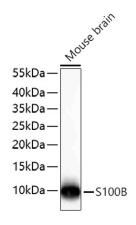
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.

Lysates/proteins: 25  $\mu g$  per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 20 s.



Western blot analysis of lysates from Mouse brain using S100B Mouse mAb (A28321) at 1:5000 dilution incubated overnight at  $4^{\circ}$ C.

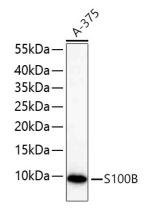
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.

Lysates/proteins: 25 μg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 45 s.



Western blot analysis of lysates from A-375 cells using S100B Mouse mAb (A28321) at 1:5000 dilution incubated overnight at  $4^{\circ}$ C.

Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.

Lysates/proteins: 25  $\mu g$  per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60 s.