

# S100 beta antibody [SH-B4]

**Cat. No. GTX11179**

<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Applications</b>	ICC/IF, IHC-P, IHC-Fr, ELISA
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Goat, Sheep, Bovine, Cat, Dog, Pig

References ( 3 )

Package

100 µl

## Applications

### Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
ICC/IF	Assay dependent
IHC-P	1:100
IHC-Fr	Assay dependent
ELISA	Assay dependent

Not tested in other applications.

### Product Note

Recognizes an epitope located on the  $\beta$  chain (i.e. in S-100a and S-100b) but not on the  $\alpha$  chain of S-100 (i.e. in S-100a and S-100ao). In ELISA, recognition of S-100 subunit by clone SH-B4 is Ca<sup>2+</sup>-dependent. The product does not react with other members of the EF-hand family such as, calmodulin, parvalbumin, intestinal calcium-binding protein and myosin light chain. In immunohistochemistry, the antibody detects normal and neoplastic S-100  $\beta$  subunit-containing cells (e.g. Schwann cells, chondrocytes, melanocytes, and melanotic tumors) in protease-digested, formalin-fixed, paraffin-embedded tissues.

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	Ascites
<b>Preservative</b>	15mM Sodium azide
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Immunogen</b>	bovine brain S-100b
<b>Purification</b>	Unpurified
<b>Conjugation</b>	Unconjugated



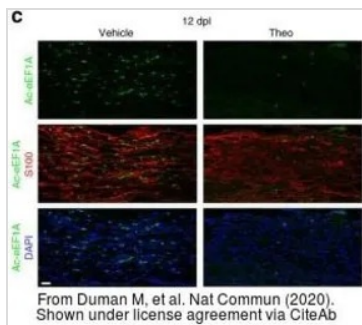
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## Note

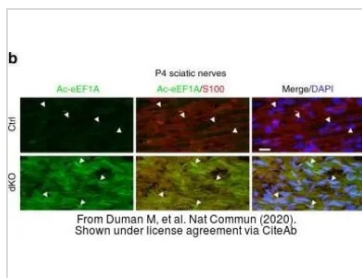
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## DATA IMAGES



### GTx11179 IHC-Fr Image

The data was published in the journal Nat Commun in 2020. [PMID: 32647127](https://pubmed.ncbi.nlm.nih.gov/32647127/)



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