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<b>Catalog Number:</b>	GT15160	<b>Host:</b>	Goat
<b>Product Type:</b>	Affinity purified	<b>Species Reactivity:</b>	Human
<b>Immunogen Sequence:</b>	Purified, <i>E. coli</i> -derived, recombinant human S100B (rhS100B).	<b>Format:</b>	Liquid 1mg/ml Solution in phosphate-buffered saline (PBS) with 5% Trehlose
<b>Applications:</b>	IHC-2-15 ug/ml Western Blot: 0.1 - 0.2 µg/mL ELISA: 0.5 - 1.0 µg/mL		

Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

**Storage:** Antibody can be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. *Avoid repeated freeze-thaw cycles.*

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### Application Notes

#### Specificity

This antibody has been selected for its ability to recognize human S100B in direct ELISAs and western blots. In these formats, this antibody shows approximately 20% cross-reactivity with rhS100A10 and less than 1% cross-reactivity with rmS100A9.

#### Direct ELISA

This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human S100B. The detection limit for rhS100B is approximately 0.6 ng/well.

#### Western blot

This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human S100B. The detection limit for rhS100B is approximately 25 ng/lane under non-reducing and reducing conditions.

#### Immunohistochemistry

This antibody will detect S100B in cells and tissues. The working dilution is 2 - 15 µg/mL. For chromogenic detection of labeling, use R&D Systems' Cell and Tissue Staining Kits (CTS Series).

### FOR RESEARCH USE ONLY

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Neuromics Antibodies • 5325 West 74<sup>th</sup> Street, Suite 8 • Edina, MN 55439  
phone 866-350-1500 • fax 612-677-3976 • e-mail [pshuster@neuromics1.com](mailto:pshuster@neuromics1.com)