

## Anti-h S100B 11402 SPTN-5

### Product overview

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<b>Catalog number</b>	100779
<b>Specificity</b>	Antibody recognizes human S100B
<b>Description</b>	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
<b>Product buffer solution</b>	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative
<b>Shelf life and storage</b>	Unspecified, storage at 2–8 °C
<b>Subclass</b>	IgG <sub>1</sub>
<b>Analyte description</b>	S100B belongs to the family of dimeric calcium-binding S100 proteins. S100B is a biomarker for traumatic brain injury. S100B can also be used as a prognostic tool in melanoma patient care.

### Parameters tested on each lot

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<b>Product appearance</b>	Liquid, may turn slightly opaque during storage
<b>Product concentration</b>	5.0 mg/ml (+/- 10 %)
<b>Immunoreactivity</b>	80–120 % compared to the reference sample in an FIA test
<b>IEF Profile</b>	7.0–7.5
<b>Purity</b>	≥ 95 %

### Kinetic parameters

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<b>Association rate constant</b>	$3.0 \times 10^5$ 1/Ms
<b>Dissociation rate constant</b>	$1.5 \times 10^{-5}$ 1/s
<b>Affinity constant</b>	$K_A = 2.0 \times 10^{10}$ 1/M; $K_D = 4.2 \times 10^{-11}$ M (= 0.042 nM)
<b>Determination method</b>	BLI (Octet RED96e)
<b>Determination antigen</b>	Recombinant S100B, Medix Biochemica (Cat 710014)



#### Legal disclaimer

**Cross-reactivities** Does not recognize S100A8 or S100A9

**Epitope** N/D

**Pair recommendations**

		DETECTION		
		11401	11402	11404
CAPTURE	11401	-	+	-
	11402	+	-	+
	11404	-	+	-

Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.

**Platforms tested** FIA

**Antigens tested** Recombinant S100B antigen, Medix Biochemica 710014, 710044 and 710045.

Product stability	TEMPERATURE, TIME	RESULT
	-70 °C, 21 days	OK
	-20 °C, 21 days	OK
	+4 °C, 21 days	OK
	+35 °C, 21 days	OK
	+45 °C, 7 days	OK

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2–8 °C in the product buffer.

**Miscellaneous** -

**References** -



**Legal disclaimer**