

Anti-h S100B 11401 SPTN-5

Product overview

Catalog number	100778
Specificity	Antibody recognizes human S100B
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
Shelf life and storage	Unspecified, storage at 2–8 °C
Subclass	IgG ₁
Analyte description	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

Product appearance	Liquid, may turn slightly opaque during storage
Product concentration	5.0 mg/ml (+/- 10 %)
Immunoreactivity	80–120 % compared to the reference sample in an FIA test
IEF Profile	6.6–7.9
Purity	≥ 95 %

Kinetic parameters

Association rate constant	6.0×10^5 1/Ms
Dissociation rate constant	4.5×10^{-5} 1/s
Affinity constant	$K_A = 1.3 \times 10^{10}$ 1/M; $K_D = 8.4 \times 10^{-11}$ M (= 0.084 nM)
Determination method	BLI (Octet RED96e)
Determination antigen	Recombinant S100B, Medix Biochemica (Cat 710014)



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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 -



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