

## Anti-h ProGRP 13001 SPTN-5

### Product overview

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<b>Catalog number</b>	100989
<b>Specificity</b>	Antibody recognizes human progastrin-releasing peptide
<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>	Progastrin-releasing peptide (ProGRP) is a C terminal part of GRP. ProGRP can be used as a biomarker for small cell lung cancer (SCLC) as it supports discrimination between SCLS and non-small cell lung cancer (NSCLC). ProGRP can also be used to monitor the response to the therapy and recurrence of the disease.

### 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>	6.1–6.7
<b>Purity</b>	≥ 95 %

### Kinetic parameters

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<b>Association rate constant</b>	$5.8 \times 10^5$ 1/Ms
<b>Dissociation rate constant</b>	$2.4 \times 10^{-5}$ 1/s
<b>Affinity constant</b>	$K_A = 2.4 \times 10^{10}$ 1/M; $K_D = 4.1 \times 10^{-11}$ M (= 0.04 nM)
<b>Determination method</b>	BLI (Octet RED96e)
<b>Determination antigen</b>	Recombinant ProGRP, MyBiosource (MBS2033543)



#### Legal disclaimer

**Cross-reactivities** Not determined (N/D)

**Epitope** aa 45-46

**Pair recommendations**

		DETECTION			
		13001	13002	HM784	HM785
CAPTURE	13001	-	+	-	+
	13002	+	-	+	+
	HM784	+	+	-	-
	HM785	-	-	-	-

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** N/D

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**