

## Anti-h Prealbumin 11606 SPTN-5

### Product overview

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<b>Catalog number</b>	100833
<b>Specificity</b>	Antibody recognizes human prealbumin
<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>	Prealbumin, also known as transthyretin, is synthesized mainly by liver. It is involved in transport of triiodothyronine (T3), thyroxine (T4), and vitamin A. Due to the short half-life of prealbumin, it can be used to assess malnutrition or efficacy of parenteral nutrition.

### 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>	6.4–7.4
<b>Purity</b>	≥ 95 %

### Kinetic parameters

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<b>Association rate constant</b>	$5.2 \times 10^5$ 1/Ms
<b>Dissociation rate constant</b>	$4.4 \times 10^{-5}$ 1/s
<b>Affinity constant</b>	$K_A = 1.2 \times 10^{10}$ 1/M; $K_D = 8.3 \times 10^{-11}$ M (= 0.08 nM)
<b>Determination method</b>	BLI (Octet RED96e)
<b>Determination antigen</b>	Prealbumin/Transthyretin, Medix Biochemica (Cat 496-10)

**Legal disclaimer**

**Cross-reactivities** N/D

**Epitope** N/D

**Pair recommendations**

		DETECTION				
		11601	11603	11604	11605	11606
CAPTURE	11601	+	+	+	+	+
	11603	+	+	+	+	+
	11604	+	+	+	+	+
	11605	+	+	+	+	+
	11606	+	+	+	+	+

Following pairs are especially recommended for the below mentioned assays:

IT: 11601 – 11604, 11601 – 11605 and 11604 – 11605

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, IT

**Antigens tested** Native Prealbumin/Transthyretin antigen Medix Biochemica 496-10 and 496-11.

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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