

## Anti-h PIGF NA000302 SPTN-1

### Product overview

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<b>Catalog number</b>	C-10-0021
<b>Specificity</b>	Antibody recognizes human PIGF (Placental growth factor)
<b>Description</b>	Recombinant chimeric antibody containing variable region from mouse IgG and constant region from human IgG1, cultured in vitro under conditions free from animal-derived components.
<b>Product buffer solution</b>	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.1% ProClin™ 300 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>	PIGF is a member of vascular endothelial growth factor (VEGF) family. Its molecular structure is glycoprotein homodimer, which has four isoforms. PIGF stimulate endothelial cell proliferation and migration and it binds to the receptor FLT1/VEGFR-1. PIGF is always used in combination with sFlt-1 to determine the sFlt-1/PIGF ratio. The sFlt-1/PIGF ratio is intended for use as an aid in the diagnosis of preeclampsia in conjunction with other diagnostic and clinical information.

### Parameters tested on each lot

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<b>Product appearance</b>	Liquid, may turn slightly opaque during storage
<b>Product concentration</b>	1.0 mg/ml (+/- 10%)
<b>Immunoreactivity</b>	80–120% compared to the reference sample
<b>IEF Profile</b>	
<b>Purity</b>	≥ 95 %

### Kinetic parameters

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<b>Association rate constant</b>	Not Determined (N/D)
<b>Dissociation rate constant</b>	N/D
<b>Affinity constant</b>	N/D
<b>Determination method</b>	-
<b>Determination antigen</b>	-



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<b>Cross-reactivities</b>	-	
<b>Epitope</b>	N/D	
<b>Pair recommendations</b>	-	
<b>Platforms tested</b>	<b>ELISA, CLIA</b>	
<b>Antigens tested</b>	-	
<b>Product stability</b>	<b>TEMPERATURE, TIME</b>	<b>RESULT</b>
	-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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