

Anti-h PIGF NA000301 SPTN-1

Product overview

Catalog number	C-10-0020
Specificity	Antibody recognizes human PIGF (Placental growth factor)
Description	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.
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.1% ProClin™ 300 as a preservative
Shelf life and storage	Unspecified, storage at 2–8 °C
Subclass	IgG ₁
Analyte description	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

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

Kinetic parameters

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



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Cross-reactivities -

Epitope N/D

Pair recommendations -

Platforms tested **ELISA, CLIA**

Antigens tested -

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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