

Anti-h PIGF NA000301 SPTN-5

Product overview

Catalog number	C-10-0069
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	Human 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	5.0 mg/ml (+/- 10%) (A280 nm, 1 mg/ml, 1 cm= 1.6)
Immunoreactivity	80–120% compared to the reference sample in a CLIA test
IEF Profile	Not Determined (N/D)
Purity	≥ 95 %

Kinetic parameters

Association rate constant	N/D
Dissociation rate constant	N/D
Affinity constant	N/D
Determination method	-
Determination antigen	-



Cross-reactivities -

Epitope N/D

Pair recommendations

		DETECTION			
		NA000301	NA000302	NA000303	NA000305
CAPTURE	NA000301	-	-	+	-
	NA000302	-	-	+	-
	NA000303	+	+	-	+
	NA000305	-	-	+	-

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 **ELISA, CLIA**

Antigens tested C-40-0029 Recombinant Human PIGF Antigen

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 -

