

Anti-h PIGF R13203 SPTNP-5

Product overview

Catalog number	140082
Specificity	Antibody recognizes human PIGF (Placental growth factor)
Description	Recombinant mouse monoclonal antibody, cultured <i>in vitro</i> 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	Mouse IgG ₁
Analyte description	PIGF is a member of the vascular endothelial growth factor (VEGF) family. Its molecular structure is a glycoprotein homodimer, and it has four isoforms. PIGF stimulates endothelial cell proliferation and migration, and it binds to the receptor FLT1/VEGFR-1. PIGF is typically measured 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 = 1.5)
Immunoreactivity	80–120 % compared to the reference sample in an FIA test
IEF Profile	5.9–7.9
Purity	≥ 95 %

Kinetic parameters

Association rate constant	1.7×10^5 1/Ms
Dissociation rate constant	7.3×10^{-5} 1/s
Affinity constant	$K_A = 2.3 \times 10^9$ 1/M; $K_D = 4.4 \times 10^{-10}$ M (= 0.44 nM)
Determination method	BLI (Octet RED96e)
Determination antigen	Recombinant Human Placental Growth Factor (PIGF), Medix Biochemica (Cat C-40-0029)



Legal disclaimer

Cross-reactivities N/D

Epitope N/D

Pair recommendations

		DETECTION		
		R13202	R13203	R13204
CAPTURE	R13202	-	-	+
	R13203	-	-	+
	R13204	+	+	-

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, ELISA, CLIA

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 -



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