

Anti-h sFlt-1 14803 SPTNP-5

Product overview

Catalog number	101027
Specificity	Antibody recognizes human sFlt-1 (soluble fms-like tyrosine kinase-1)
Description	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	sFlt-1 is a soluble glycoprotein produced through alternative splicing of VEGFR-1 mRNA. Abnormally high expression of soluble isoforms (isoform 2, isoform 3 or isoform 4) may contribute to the development of preeclampsia. sFlt-1 is typically measured in combination with PlGF to determine the sFlt-1/PlGF ratio. The sFlt-1/PlGF 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 %)
Immunoreactivity	80–120 % compared to the reference sample in an FIA test
IEF Profile	6.0–7.0
Purity	≥ 95 %

Kinetic parameters

Association rate constant	5.0×10^4 1/Ms
Dissociation rate constant	3.4×10^{-5} 1/s
Affinity constant	$K_A = 1.5 \times 10^9$ 1/M; $K_D = 6.5 \times 10^{-10}$ M (= 0.65 nM)
Determination method	BLI (Octet RED96e)
Determination antigen	Recombinant Human Soluble FMS-like Tyrosine Kinase-1 (sFlt-1), Medix Biochemica (Cat C-40-0030)



Legal disclaimer

Cross-reactivities N/D

Epitope N/D

Pair recommendations

		DETECTION			
		14801	14802	14803	14804
CAPTURE	14801	-	-	+	-
	14802	-	-	+	-
	14803	+	+	-	+
	14804	+	-	+	-

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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