

Anti-h sFlt-1 NA000404 SPTN-5

Product overview

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|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog number | C-10-0014 |
| Specificity | Antibody recognizes human sFlt-1 (soluble fms-like tyrosine kinase-1) |
| Description | Monoclonal mouse antibody, 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 _{2b} |
| Analyte description | sFlt-1 was originally found in human umbilical vein endothelial cells. It is a glycoprotein with tyrosine kinase activity, which is formed by different splicing of VEGFR-1 mRNA. It has 7 isoforms. Abnormally high expression of soluble isoforms (isoform 2, isoform 3 or isoform 4) may be a cause of preeclampsia. sFlt-1 is always used 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 ELISA test |
| IEF Profile | |
| Purity | ≥ 95 % |

Kinetic parameters

| | |
|-----------------------------------|------------------------|
| Association rate constant | To Be Determined (TBD) |
| Dissociation rate constant | TBD |
| Affinity constant | TBD |
| Determination method | - |
| Determination antigen | - |

Cross-reactivities -

Epitope Not Determined (N/D)

Pair recommendations

| | | DETECTION | | | |
|---------|----------|-----------|----------|----------|----------|
| | | NA000401 | NA000402 | NA000403 | NA000404 |
| CAPTURE | NA000401 | - | - | + | - |
| | NA000402 | - | - | + | - |
| | NA000403 | + | + | - | + |
| | NA000404 | + | - | + | - |

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 -

| 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 -

