

PRODUCT SPECIFICATIONS

Name	Anti-h D-Dimer 1404 SPTN-5
Specificity	Antibody recognizes human D-dimer
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components
Product code	100479
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
Shelf life and storage	18 months from manufacturing at 2-8 °C
Analyte description	D-dimer (DD) is a fibrin degradation product created during fibrinolysis when plasmin degrades the fibrin clot. In clinical diagnostics, D-dimer test can be used to exclude deep venous thrombosis (DVT), pulmonary embolism (PE) or disseminated intravascular coagulation (DIC). D-dimer is also valuable for monitoring patients during and after anticoagulant treatment for recurrent DVT.

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	6.8 - 7.5
Purity	≥ 95 %

PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

Subclass	IgG ₁
Association rate constant	2.4 x 10 ⁵ 1/Ms
Dissociation rate constant	Does not dissociate
Affinity constant	Not Applicable (N/A)
Determination method	SPR analysis (ProteOn XPR36)
Determination antigen	FDP-D-Dimer, Chrystal Chem Inc. (Lot SDD-1)

Legal disclaimer

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Cross-reactivities

No cross-reactivity against human fibrinogen, others not tested.

Epitope

Not Determined (N/D)

Pair recommendations
CAPTURE ANTIBODY

1404

1405

DETECTION ANTIBODY

1402, 1403, 1405, 1406

1404

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.

Product stability
TEMPERATURE, TIME

-70 °C, 21 days

-20 °C, 21 days

+4 °C, 21 days

+35 °C, 21 days

+45 °C, 7 days

RESULT

OK

OK

OK

OK

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

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References

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