

**Anti-tPA (human, tissue plasminogen activator)**
**Mouse monoclonal antibody**

Subclass: IgG1

PRODUCT NO.

**MON T-1**

PRESENTATION

Preparation: Protein-A purified

Content: Available in 200 µL and 1 mL volumes, 1 mg/mL

Solvent: 0.01 M phosphate buffer, pH 7.4, containing 0.14 M NaCl and 15 mM sodium azide

Storage: In the dark at 4-8°C

ANTIGEN

Tissue plasminogen activator (tPA) is a serine protease which converts the abundant proenzyme plasminogen to active plasmin. It plays a key role in thrombolysis (1) and several neurobiological processes (2).

IMMUNOGEN

Native human tPA

SPECIFICITY

MON T-1 is specific for human tPA. No reaction is seen with human urokinase plasminogen activator (uPA) when tested by ELISA, immunoblotting and enzyme inhibition and no reaction with any other human plasma proteins is seen when tested by immunoblotting.

EPI TOPE SPECIFICITY

MON T-1 binds to the A-chain of tPA (3)

REACTIVITY

MON T-1 reacts with single- and two-chain tPA in ELISA, Western blotting and immunohistochemistry, and can also be used in immunopurification. It inhibits the enzymatic activity of tPA. For immunohistochemistry applications MON T-1 can be used on frozen sections.

CULTURE MEDIUM

RPMI 1640 with 10% fetal calf serum

FUSION PARTNER

NCI-Ag 4/1

IMMUNIZATION

Female BALB/c mice immunized by intradermal injection

APPLICATION

Method	Usability	Dilution guideline	References
ELISA	Yes		4
Immunoblotting	Yes		
Immunohistochemistry	Yes		5,6

REFERENCES

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**CONDITIONS**

All products are supplied on the understanding that they are for in vitro use only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The animals from which this product was derived have not been exposed to or inoculated with any livestock or poultry disease agents exotic to the United States or Western Europe, and did not originate from facilities where work with exotic disease agents affecting livestock or avian species is carried out.