PLAT
Recombinant Human TPA, >95% Active Two Chain

Catalog No.	CRT171B CRT171C	**Quantity:**	100 µg 1.0 mg

Alternate Names: Tissue-type plasminogen activator, t-PA, t-plasminogen activator, tPA

Description: Recombinant Human tPA is two-chain, activated from the single-chain form with immobilized Plasmin. It has 100% complex formation with Human PAI1.

Tissue Plasminogen Activator (tPA) is a secreted serine protease that converts the proenzyme Plasminogen to Plasmin, a fibrinolytic enzyme. tPA is synthesized as a single chain which is cleaved by Plasmin to a two chain disulfide linked protein. This enzyme plays a role in cell migration and tissue remodeling. Increased enzymatic activity causes hyperfibrinolysis, which manifests as excessive bleeding. Decreased activity leads to hypofibrinolysis, which can result in thrombosis or embolism.

UniProt ID: P00750

Concentration: 1.0 mg/ml, lot specific

Source: CHO cells

Molecular Weight: 70 kDa

Formulation: 0.4 M HEPES, 0.1 M NaCl, pH 7.4

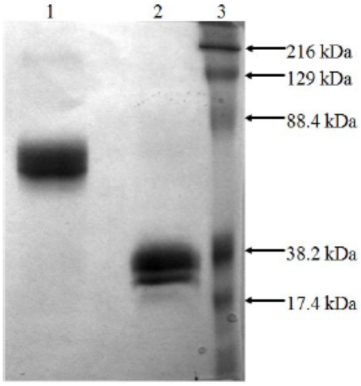
Purity: >95% by SDS-PAGE

Biological Activity: >10^6 IU/mg, lot specific (Relative to WHO International Standard for rhTPA NIBSC 98/714)

Applications: ELISA, Western blot
Useful for cell differentiation, cell signaling, clotting assays, fibrinolysis, plasminogen activation, protein-protein interactions, receptor binding, thromboelastography, and thrombolysis.

Storage & Stability: Store unopened at -80°C at least 1 year. Upon initial thaw prepare working aliquots for storage at -80°C. **Avoid repeated freeze-thaw cycles.**

1. 3µg non-reduced, 2. 3µg reduced, 3. MW Standards



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

Cell Sciences ®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com