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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-TPA Tissue Plasminogen Activator/PLAT Antibody Picoband® Fluoro550 Conjugated

Catalog Number: PB9345-Fluoro550

About PLAT

PLAT is also known as tPA. This gene encodes tissue-type plasminogen activator, a secreted serine protease which converts the proenzyme plasminogen to plasmin, a fibrinolytic enzyme. Tissue-type plasminogen activator 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. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms.

Overview

Product Name	Anti-TPA Tissue Plasminogen Activator/PLAT Antibody Picoband® Fluoro550 Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P00750

Technical Details

Immunogen	E.coli-derived human TPA recombinant protein (Position: H366-P562). Human TPA shares 83% and 84% amino acid (aa) sequence identity with mouse and rat TPA, respectively.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro550 Excitation Wavelength: 562 nm Emission Wavelength: 576 nm

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Suggested Dilutions	Optimal dilutions should be determined by end users.

1 Publications Citing This Product

1. PubMed ID: 34082810, Wang J,Li Y,Pan L,Li J,Yu Y,Liu B,Zubair M,Wei Y,Pillay B,Olaniran AO,Chiliza TE,Shao G,Feng Z,Xiong Q.Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) moonlights as an adhesin in Mycoplasma hyorhinis adhesion to epithelial cells as well as a plasminogen receptor mediating extracellular matrix degradation.Vet Res.2021 Jun 3;52(1):80.doi:10.1186/s13567-021-00952-8. PMID:34082810;PMCID:PMC8173509.

Visit bosterbio.com/anti-tpa-picoband-trade-antibody-pb9345-boster.html to see all 1 publications.

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For Research Use Only. Not for use in diagnostic procedures.