# Plasminogen Activator/Urokinase Monoclonal Antibody(Detector)

## catalog number: AN002180P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Human
Immunogen	Recombinant Human Plasminogen Activator/Urokinase protein expressed by
	Mammalian
Host	Rat
Isotype	Rat IgGl
Clone	9B8
Purification	Protein A/G Purification
Buffer	Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300.
Applications	Recommended Dilution
ELISA Detector	0.1-0.4 μg/mL

#### Data



Sandwich ELISA-Recombinant Human Plasminogen Activator/Urokinase protein standard curve.Background subtracted standard curve using Plasminogen Activator/Urokinase antibody(AN002170P) (Capture),Plasminogen Activator/Urokinase antibody(AN002180P)(Detector) in sandwich ELISA.The reference range value for Recombinant Human Plasminogen Activator/Urokinase protein is 62.5-4000 pg/mL.

Preparation & Storage	
Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze /
	thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the
	temperature recommended.
Background	

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This gene encodes a serine protease involved in degradation of the extracellular matrix and possibly tumor cell migration and proliferation. A specific polymorphism in this gene may be associated with late-onset Alzheimer's disease and also with decreased affinity for fibrin-binding. This protein converts plasminogen to plasmin by specific cleavage of an Arg-Val bond in plasminogen. Plasmin in turn cleaves this protein at a Lys-Ile bond to form a two-chain derivative in which a single disulfide bond connects the amino-terminal A-chain to the catalytically active, carboxy-terminal B-chain. This tw o-chain derivative is also called HMW-uPA (high molecular weight uPA). HMW-uPA can be further processed into LMW-uPA (low molecular weight uPA) by cleavage of chain A into a short chain A (A1) and an amino-terminal fragment. LMW-uPA is proteolytically active but does not bind to the uPA receptor. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

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