

Datasheet: MCA6283B

BATCH NUMBER 100005528

Description:	MOUSE ANTI HUMAN tPA:Biotin
Specificity:	tPA
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	D12-9A7
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			1.0 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG conjugated to Biotin - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	Purified native human tPA

**External Database
Links**

UniProt:

[P00750](#)

[Related reagents](#)

Entrez Gene:

[5327](#)

PLAT

[Related reagents](#)

Fusion Partners

Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0

Specificity

Mouse anti Human tPA antibody, clone D12-9A7, recognizes tissue type plasminogen activator (tPA) also known as PLAT. tPA is a serine protease that in the intravascular space, catalyzes the conversion of plasminogen to plasmin. tPA is expressed in various cell types including endothelial cells, glial cells and neurons. Within the brain tPA plays a role in synaptic plasticity, detection and adaptation to metabolic stress, modulation of the blood-brain barrier permeability and remodeling of the extracellular matrix ([Jeanneret & Yepes 2017](#)).

The biotinylated Mouse anti Human tPA antibody, clone D12-9A7 (MCA6283B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human tPA antibody, clone D11-7G8 ([MCA6282GA](#)) as the capture antibody.

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10041 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA6283B>
10041

Regulatory

For research purposes only

Related Products

Recommended Useful Reagents

[MOUSE ANTI HUMAN tPA \(MCA6282GA\)](#)

ELISA Matched Pair - Capture Antibody

[MOUSE ANTI HUMAN tPA \(MCA6282GA\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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