

## Datasheet: MCA6283B

<b>Description:</b>	MOUSE ANTI HUMAN tPA:Biotin
<b>Specificity:</b>	tPA
<b>Format:</b>	Biotin
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	D12-9A7
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

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

[P00750](#)   [Related reagents](#)

**Entrez Gene:**

[5327](#)   PLAT   [Related reagents](#)

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

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**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.

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**Storage**   This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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**Guarantee**   12 months from date of despatch

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**Health And Safety Information**   Material Safety Datasheet documentation #10041 available at:  
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

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**Regulatory**   For research purposes only

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## Related Products

### Recommended Useful Reagents

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

### ELISA Matched Pair - Capture Antibody

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

**North & South**   Tel: +1 800 265 7376

**America**   Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

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Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

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Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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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