



## Enzyme Research Laboratories

1801 Commerce Drive  
South Bend, IN U.S.A. 46628  
(574) 288-2268 \* Fax (574) 288-2272  
Website: [www.enzymeresearch.com](http://www.enzymeresearch.com)  
Email: [info@enzymeresearch.com](mailto:info@enzymeresearch.com)

# Murine Anti-Thrombin Receptor

## Clone 453

Mab IIab binds thrombin receptor peptide KATNATLDPRSFLIRC in solid-phase ELISA, inhibits platelet activation by thrombin, and binds thrombin receptor expressed on HEL cells detected using immunofluorescence.

## Description

<b>Antibody Source:</b>	mouse monoclonal, IgG <sub>1</sub>
<b>Antigen Species Bound:</b>	human
<b>Specificity:</b>	thrombin receptor
<b>Immunogen:</b>	binds thrombin receptor peptide, KATNATLDPRSFLIRC

## Formulation and Storage

<b>Purity:</b>	Purified by protein G affinity chromatography from serum-free cell culture supernatant.
<b>Product Formulation:</b>	Lyophilized from a $\geq 1$ mg/ml solution in 20 mM NaH <sub>2</sub> PO <sub>4</sub> 0.15 M NaCl, 1.0% (w/v) mannitol, pH 7.4. Concentration determined by absorbance measurement at 280 nm and using an extinction coefficient of 1.4 ( $\epsilon_{0.1\%}$ ).
<b>Reconstitution:</b>	Reconstitute with deionized water.
<b>Storage:</b>	Store lyophilized or reconstituted and aliquoted material at -20°C for prolonged periods. Avoid freeze-thaw cycles. Alternatively, add 0.02% (w/v) sodium azide to reconstituted solution and store at 4°C.
<b>Country of Origin:</b>	USA
<b>Size Options:</b>	0.1 mg or 0.5 mg

## Applications

<b>Working Concentration:</b>	Approximately 1-5 $\mu$ g/ml. Researcher should titer antibody in specific assay.
<b>ELISA:</b>	Binds thrombin receptor peptide KATNATLDPRSFLIRC.
<b>Inhibition:</b>	Inhibits platelet activation by thrombin.