

For Research Use Only

# NeutraKine® Thrombin-Coagulation FactorII Monoclonal antibody



Catalog Number:69014-1-Ig

## Basic Information

|   |  |   |
|---|--|---|
| <b>Catalog Number:</b><br>69014-1-Ig        | <b>GenBank Accession Number:</b><br>GeneID (NCBI):<br>2147 | <b>Purification Method:</b><br>Protein G purification |
| <b>Size:</b><br>100ug                       | <b>Full Name:</b><br>coagulation factor II (prothrombin)   | <b>CloneNo.:</b><br>2G3G10                            |
| <b>Source:</b><br>Mouse                     |  |   |
| <b>Isotype:</b><br>IgG1                     |  |   |
| <b>Immunogen Catalog Number:</b><br>HZ-3010 |  |   |

## Applications

**Tested Applications:**  
ELISA, Neutralization

**Species Specificity:**  
Human

## Background Information

Normal blood coagulation is a complex process, involving a cascade of activation of different plasma proteins, ultimately resulting in the formation of a clot, called fibrin. Factor II, or prothrombin, is one of the components of this chain of plasma proteins involved in blood coagulation. Thrombin is essential in the processes of hemostasis and thrombosis.

This antibody can be used to neutralize the bioactivity of Thrombin-Coagulation FactorII.

## Storage

**Storage:**  
Lyophilized antibodies are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at(4°C) for short term or at(-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

**Storage Buffer:**  
Sterile PBS.

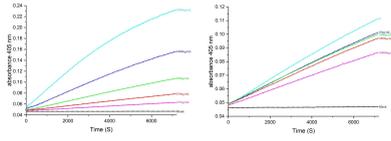
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Recombinant human Thrombin (Cat.NO. HZ-3010) catalyzes Spectrozyme PL to form chromophore (monitored absorbance at 405 nm) in a dose dependent manner (left pannel). The activity of Thrombin (400ng/mL HZ-3010) was inhibited by serial dose of anti-Thrombin monoclonal antibody 69014-1-Ig (right pannel). The typically ND50 is 5-20  $\mu\text{g}/\text{mL}$ .