Anti-human Coagulation Factor II/Thrombin Antibody

ORDERING INFORMATION

Catalog Number: AF1148

Lot Number: GTF01

Size: 100 µg

Formulation: 0.2 µm filtered solution in PBS with 5% trehalose

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human Coagulation Factor II

Immunogen: NS0-derived rhCoagulation Factor II

Ig Type: goat IgG

Applications: Direct ELISA
Western blot
Flow cytometry

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant human Coagulation Factor II (rhCoagulation Factor II). Human Coagulation Factor II specific IgG was purified by human Coagulation Factor II affinity chromatography.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

Reconstitution

Reconstitute with sterile PBS. If 0.5 mL of PBS is used, the antibody concentration will be 0.2 mg/mL.

Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody has been selected for its ability to recognize human Coagulation Factor II in direct ELISAs and western blots.

Applications

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human Coagulation Factor II. The detection limit for rhCoagulation Factor II is approximately 1 ng/well.

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human Coagulation Factor II. The detection limit for rhCoagulation Factor II is approximately 20 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows approximately 10% cross-reactivity with rhFactor X.

Flow cytometry - This antibody can be used at 3 - 10 µg/mL/10^6 cells with an appropriate secondary antibody for indirect immunofluorescence staining of cells by flow cytometry.

Optimal dilutions should be determined by each laboratory for each application.

FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

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4/6/05