

Datasheet for 600-401-NG7

Aspergillus flavus uricase Antibody

Overview

Description:	Anti-Aspergillus flavus uricase (Rabbit) Antibody - 600-401-NG7
Item No.:	600-401-NG7
Size:	50 µg
Applications:	ELISA, WB
Host Species:	Rabbit

Product Details

Background:	Aspergillus flavus uricase (Rasburicase) is currently used for the treatment of gout and hyperuricemia occurring in tumor lysis syndrome. Rasburicase, sold under the brand name Elitek in the US and Fasturtec in the EU, is a medication that helps to clear uric acid from the blood. It is a recombinant version of urate oxidase, an enzyme that metabolizes uric acid to allantoin. Urate oxidase is known to be present in many mammals but does not naturally occur in humans. The concentration of uric acid in human serum is 1.5–6.0 mg/dl for women and 2.5–7.0 mg/dl for men. Any increase in the catabolism of purines or decrease in uric acid excretion leads to build up of uric acid in the form of monosodium urate crystals in joints or soft tissues. Moreover, hyperuricemia is also observed tumor lysis syndrome (TLS) and is caused by massive tumor cell lysis followed by catabolism of the nucleic acids to uric acid after chemotherapeutic treatment.
Synonyms:	Rabbit Anti-Rasburicase Antibody, Rabbit Anti-Aspergillus flavus uricase Antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	uaZ
Immunogen Type:	Recombinant Protein
Immunogen:	Recombinant Aspergillus flavus uricase
Purity/Specificity:	Rabbit Anti-Aspergillus flavus uricase Antibody has been affinity purified using sepharose resins with immobilized Aspergillus flavus uricase.

Relevant Links:

- [UniProKB - Q00511](#)

Application Details

Tested Applications: ELISA, WB**Application Note:** Affinity purified rabbit polyclonal Anti-Aspergillus flavus uricase antibodies have been tested for use in Western Blot and ELISA. This antibody recognizes structured uricase and will work in western blot when the protein are either denatured or in its native form. Although not tested, this antibody being affinity-purified, polyclonal raised using whole A. flavus uricase immunized to rabbit could be useful in detection of uricases from Aspergillus spp that share sequence homologies more than 80%. Specific conditions for reactivity should be optimized by the end user.**Assay Dilutions:** All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.**ELISA:** User Optimized**WB:** User Optimized

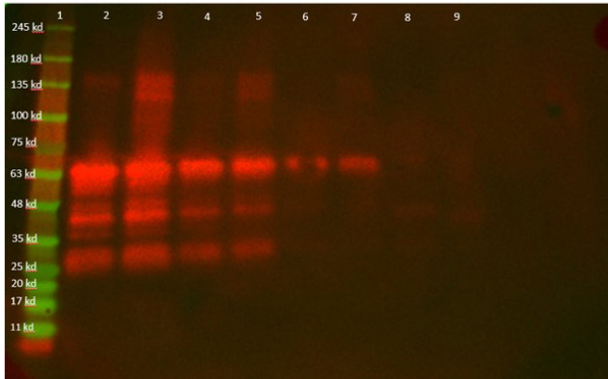
Formulation

Physical State: Liquid (sterile filtered)**Concentration:** 1.15 mg/mL by UV absorbance at 280 nm**Buffer:** 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2**Preservative:** None**Stabilizer:** None

Shipping & Handling

Shipping Condition: Wet Ice**Storage Condition:** Store vial at 2-8° C. Dilute only prior to immediate use.**Expiration:** Expiration date is six (6) months from date of receipt.

Images



Western Blot

Western Blot using GST-fused *Aspergillus flavus* Uricase to measure Anti-*Aspergillus flavus* uricase activity. *E. coli* Asparaginase control is a His-tagged Asparaginase.

Lane 1: Molecular Weight Ladder (p/n MB-210-0500).

Loading Buffer: Lanes 2, 4, and 6: Recombinant GST-Uricase reduced.

Lanes 3, 5, 7: Recombinant GST-Uricase non-reduced.

Lane 8: Recombinant *E. coli* Asparaginase Reduced.

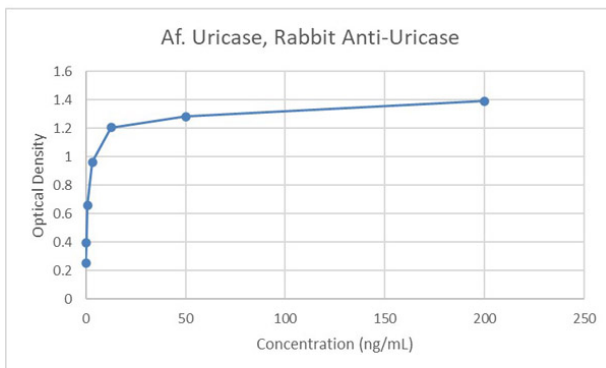
Lane 9: Recombinant *E. coli* Asparaginase Non-reduced.

Protein Load: Lanes 2-3, 8-9: 200ug. Lanes 4-5: 50ug. Lanes 6-7: 10ug.

Primary Antibody: Rabbit Anti-*Aspergillus flavus* uricase Antibody at 10ug/mL for 2 hours at ambient temperature.
 Secondary Antibody: Goat Anti-Rabbit IgG (H&L) Antibody Peroxidase Conjugated (p/n 611-103-122) at 1:5000 for 1 hour at ambient temperature.

ELISA

Rabbit polyclonal Anti-*Aspergillus flavus* uricase activity. Each well was coated in duplicate with 100ng/well of *Aspergillus flavus* uricase. The wells were blocked with 3% fish gel. The starting dilution Rabbit Anti-*Aspergillus flavus* uricase Antibody was 200ng/well with 4-fold dilution. The secondary antibody Goat Anti-Rabbit IgG (H&L) Antibody Peroxidase Conjugated (p/n 611-103-122) with 1:5,000 dilution was used to detect bound rabbit IgG.



Disclaimer

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