

Datasheet for 200-4382S**Urease Antibody Peroxidase Conjugated****Overview**

Description:	Anti-Urease (Jack Bean) (RABBIT) Antibody Peroxidase Conjugated - 200-4382S
Item No.:	200-4382S
Size:	25 µL
Applications:	Dot Blot
Reactivity:	Jack Bean
Host Species:	Rabbit

Product Details

Background:	Urease is an enzyme involved in nitrogen metabolism. It catalyzes the hydrolysis of urea into carbon dioxide and ammonia.
Synonyms:	rabbit anti-Urease Antibody HRP Conjugation, Peroxidase Conjugated rabbit anti-Urease Antibody, Urea Amidohydrolase antibody
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	UREA_CANEN
Reactivity:	Jack Bean
Immunogen Type:	Native Protein
Immunogen:	Urease [Jack Bean]

Purity/Specificity: Urease is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Urease [Jack Bean]. Cross reactivity against Urease from other tissues and species may occur but have not been specifically determined.

Relevant Links:

- [UniProtKB - P07374](#)
- [NCBI - AAA83831.1](#)

Application Details

Tested Applications:	Dot Blot
Application Note:	Anti-Urease peroxidase conjugated antibody has been tested by dot blot and is suitable to be assayed against 1.0 ug of Urease [Jack Bean] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:500 to 1:2,000 of the reconstitution concentration is suggested for this product.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:500 - 1:2,000
IP:	User Optimized
WB:	1:50 - 1:500

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/ml by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

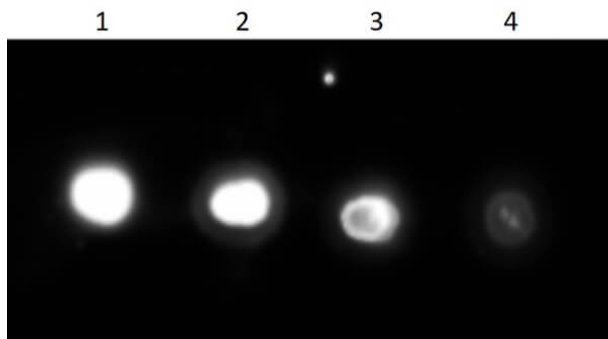
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Dot Blot

Dot Blot Results of Rabbit Anti-Urease Antibody Peroxidase Conjugated. Urease (1) 33.33ng, (2) 11.11ng, (3) 3.70ng, (4) 1.23ng. Primary Antibody: Anti-Urease HRP at 1.0µg/mL for 1hr at RT. Secondary Antibody: none. Blocking: BlockOut Buffer (MB-073) for 30mins RT. Exposure: 5 secs.

Disclaimer

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