

Datasheet for 200-4682S**Urease Antibody Biotin Conjugated****Overview**

Description:	Anti-Urease (Jack Bean) (RABBIT) Antibody Biotin Conjugated - 200-4682S
Item No.:	200-4682S
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	Jack Bean
Host Species:	Rabbit

Product Details

Background:	Urease is a protein that is commonly secreted from the bacterium <i>H. Pylori</i> and is integral to the immune response within the gastric system. Urease carries out a key enzymatic reaction in converting urea into free ammonia and carbonic acid. Urease is commonly derived from the Jack Bean plant in scientific research as the amino acid sequences are highly conserved between species and it is an abundant source of the protein. Anti-Urease Antibody is ideal for investigators in Immunology, Enzymology, and Cell Biology research.
Synonyms:	rabbit anti-Urease Antibody biotin Conjugation, biotin Conjugated rabbit anti-Urease Antibody, Urea Amidohydrolase antibody
Host Species:	Rabbit
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

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

Purity/Specificity: Anti-Urease antibody 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-Biotin, anti-Rabbit Serum as well as purified and partially purified Urease [Jack Bean]. Cross reactivities against Urease from other sources may occur but have not been specifically determined.

Relevant Links:

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

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-Urease biotin conjugated antibody has been tested by ELISA and western blot. This product is assayed against 1.0 ug of Urease in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and 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 1:4,000 to 1:20,000 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: 1:5,000 - 1:20,000

IP: 1:100

WB: 1:500 - 1:5,000

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) 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.

Disclaimer

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