

Datasheet for 200-4387S

Trypsin Inhibitor Antibody Peroxidase Conjugated

Overview

Description:	Anti-Trypsin Inhibitor (RABBIT) Antibody Peroxidase Conjugated - 200-4387S
Item No.:	200-4387S
Size:	25 µL
Applications:	Dot Blot
Reactivity:	Lima Bean
Host Species:	Rabbit

Product Details

Background:	Trypsin Inhibitors are chemicals that reduce the availability of biologically active trypsin, an enzyme essential to nutrition of many animals, including humans. Tumor Associated Trypsin Inhibitor (TATI) has been used as a marker for various carcinomas and useful in cancer diagnosis.
Synonyms:	rabbit anti-trypsin inhibitor antibody HRP conjugation, peroxidase conjugated rabbit anti-trypsin inhibitor antibody, 25 kDa trypsin inhibitor (Protease inhibitor 15 preproprotein) antibody, CRISP8 antibody, KTi antibody, Kti S antibody, KTi3 antibody, KtiS antibody, Kunitz trypsin inhibitor antibody, Kunitz type trypsin inhibitor A antibody
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	KTI3
Reactivity:	Lima Bean
Immunogen Type:	Native Protein
Immunogen:	Trypsin Inhibitor [Lima Bean]

Purity/Specificity: Trypsin Inhibitor 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 Trypsin Inhibitor [Lima Bean]. Cross reactivity against Trypsin Inhibitor from other tissues and species may occur but have not been specifically determined.

Relevant Links:

- [UniProtKB - P01070](#)
- [NCBI - P01070.2](#)
- [GeneID - 547831](#)

Application Details

Tested Applications: Dot Blot

Application Note: Anti-Trypsin Inhibitor Peroxidase Conjugated Antibody has been tested by Dot blot and is suitable to be assayed against 1.0 ug of Trypsin Inhibitor [Lima Bean] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenzothiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:20,000 to 1:100,000 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.

IP: 1:100

WB: 1:250

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-Trypsin Inhibitor Antibody Peroxidase Conjugated. Trypsin Inhibitor (1) 100ng, (2) 33.33ng, (3) 11.11ng, (4) 3.70ng, (5) 1.23ng. Primary Antibody: Anti-Trypsin Inhibitor HRP at 1.0µg/mL for 1hr at RT. Secondary Antibody: none. Blocking Buffer: BlockOut Buffer (p/n MB-073) for 30mins at RT. Exposure: 0.25sec.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.