

## Rabbit Anti-Trypsin Inhibitor/Biotin Conjugated antibody

SL11177R-Bio

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|--------------------------|--|
| <b>Product Name</b>      | Anti-Trypsin Inhibitor/Biotin  |
| <b>Chinese Name</b>      | 生物素标记的胰蛋白酶抑制剂抗体  |
| <b>Alias</b>             | Peptidase inhibitor 15; PI-15; 25 kDa trypsin inhibitor; p25TI; Cysteine-rich secretory protein 8; CRISP-8; SugarCrisp; PI15_HUMAN.  |
| <b>Research Area</b>     | Cell biology immunology  |
| <b>Immunogen Species</b> | Rabbit   |
| <b>Clonality</b>         | Polyclonal   |
| <b>React Species</b>     | Human(predicted:Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Sheep)<br>IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500   |
| <b>Applications</b>      | not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.  |
| <b>Molecular weight</b>  | 23kDa  |
| <b>Form</b>              | Lyophilized or Liquid  |
| <b>Concentration</b>     | 1mg/ml   |
| <b>immunogen</b>         | KLH conjugated synthetic peptide derived from human Trypsin Inhibitor  |
| <b>Lsotype</b>           | IgG  |
| <b>Purification</b>      | affinity purified by Protein A   |
| <b>Storage Buffer</b>    | 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.<br>Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.                       |
| <b>Storage</b>           |  |
| <b>Product Detail</b>    | <b>background:</b><br>Cysteine-rich secretory proteins (CRISPs) represent a family of evolutionarily conserved proteins which play a role in the innate immune system and are transcriptionally regulated by androgens in several tissues. CRISP-8 (Cysteine-rich secretory protein 8), also known as PI15 (Peptidase inhibitor 15), P25TI or SugarCrisp, is a 258 amino acid secreted protein that belongs to |

the CRISP family. Expressed at low levels in thyroid, prostate, salivary and mammary tissue, CRISP-8 functions as a serine protease inhibitor that exhibits weak inhibitory action against Trypsin, a serine protease found in the digestive system. In addition to its role as a protease inhibitor, CRISP-8 is secreted in neuroblastoma and glioblastoma cell lines, suggesting a role for CRISP-8 in tumor formation and metastasis within the central nervous system.

**Function:**

The soybean trypsin inhibitor was first crystallized by Kunitz in 1945 and is Serine protease inhibitor which displays weak inhibitory activity against trypsin.

**Subcellular Location:**

Secreted.

**Tissue Specificity:**

Weakly expressed. Expressed at low level in prostate, mammary gland, salivary gland and thyroid gland.

**Post-translational modifications:**

N-glycosylated (Probable).

**Similarity:**

Belongs to the CRISP family.

**Database links:**

UniProtKB/Swiss-Prot: O43692.1

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.