



Rabbit Anti-Trypsin Inhibitor/FITC Conjugated antibody

SL11177R-FITC

Product Name:	Anti-Trypsin Inhibitor/FITC
Chinese Name:	FITC标记的胰蛋白酶抑制剂抗体
Alias:	Peptidase inhibitor 15; PI-15; 25 kDa trypsin inhibitor; p25TI; Cysteine-rich secretory protein 8; CRISP-8; SugarCrisp; PI15 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Sheep,
Applications:	ICC=1:50-200IF=1:50-200 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	23kDa
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Trypsin Inhibitor
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail:	background: 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.