

## Product datasheet for **R1115BS**

### KT13 Rabbit Polyclonal Antibody

#### Product data:

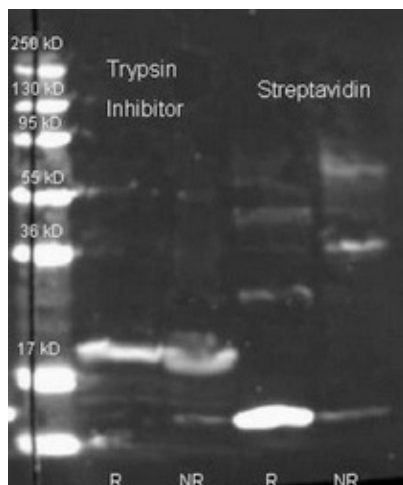
Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<b>Western blot:</b> 1/500-1/2,500. <b>ELISA:</b> 1/2,000-1/10,000.
Reactivity:	Soy Bean
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Trypsin inhibitor from soybean
Specificity:	This antibody detects soybean Trypsin inhibitor. Cross reactivity against Trypsin inhibitor from other sources may occur but have not been specifically determined. Immunoelectrophoresis give a single precipitin arc against anti-biotin, anti-rabbit serum as well as purified and partially purified Trypsin inhibitor [soybean].
Formulation:	0.02 M Potassium phosphate, 0.15 M Sodium chloride, pH 7.2 Label: Biotin State: Lyophilized IgG fraction Stabilizer: 10 mg/ml BSA (immunoglobulin and protease free) Preservative: 0.01% (w/v) Sodium azide
Reconstitution Method:	Restore with 0.1 ml of deionized water or equivalent.
Concentration:	lot specific
Purification:	Delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer
Conjugation:	Biotin
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	<u><a href="#">P01070</a></u>



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**Background:**

Soybean trypsin inhibitor inhibits trypsin and to a lesser extent chymotrypsin and plasmin. Soybean trypsin inhibitor will also inhibit other proteases by a mechanism similar to trypsin. It has inhibitory effects towards plasma kallikrein and coagulation Factor Xa. However, soybean trypsin inhibitor will not inhibit metalloproteases, tissue-based kallikrein, acid proteases, or thio proteases. Anti-trypsin inhibitor antibody is ideal for investigators involved in cell signaling, biochemistry and signal transduction research.

**Product images:**


Biotin conjugated rabbit anti-trypsin inhibitor antibody and rabbit anti streptavidin were used to detect target proteins Trypsin inhibitor (left) and streptavidin (right) under reducing (R) and non-reducing (NR) conditions. Reduced samples of purified target proteins contained 4% BME and were boiled for 5 minutes. Samples of ~1ug of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with 1/1000 dilution of primary antibody (4°C). Detection shown was using Dylight 649 conjugated donkey anti rabbit secondary antibody and imaged on the BioRad VersaDoc System.