

## Product datasheet for **R1113HRPS**

### PRSS1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/14,000. <b>Western blot:</b> 1/1,000-1/5,000. <b>Immunohistochemistry:</b> Paraffin (FFPE) or Frozen sections; 1/100 suggested to begin.
Reactivity:	Bovine
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Trypsin from bovine pancreas
Specificity:	This antibody detects bovine trypsin. Cross reactivity from other sources is unknown. Immunoelectrophoresis give a single precipitin arc against anti-peroxidase, anti-rabbit serum as well as purified and partially purified trypsin [bovine pancreas].
Formulation:	0.02 M Potassium pPhosphate, 0.15 M Sodium chloride, pH 7.2 Label: HRP State: Purified State: Lyophilized purified Ig fraction Stabilizer: 10 mg/ml BSA (immunoglobulin and protease free) Preservative: 0.01% (w/v) Gentamicin sulfate (Do NOT add Sodium azide!) Label: Horseradish peroxidase
Reconstitution Method:	Restore with 0.1 ml of deionized water (or equivalent).
Concentration:	lot specific
Purification:	Multi-step process including delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer
Conjugation:	HRP
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.



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**Database Link:** [Entrez Gene 615026 Bovine P00760](#)

**Background:** Trypsin is a 24 kDa enzyme of the serine proteinase family. It is produced in the pancreas as an inactive precursor, trypsinogen, but the active enzyme is located in the gastrointestinal tract where it degrades proteins to large peptides. Trypsin prefers lysine and arginine residues. One of the substrates for trypsin is chymotrypsinogen which is cleaved to produce active chymotrypsin. High levels of immunoreactive trypsin in the bloodstream can indicate pancreatic malfunction and this indicator is used to screen for and diagnose Cystic Fibrosis.

**Synonyms:** TRP1, TRY1, TRYP1, Trypsin I, Cationic trypsinogen, Beta-trypsin, Serine protease 1