

## Ovine Pentosidine (PTD) ELISA Kit-Competitive

**Cat. No.:** EK1F989

**Product Type:** Animal Immunoassay Kits

**Size:** 96T

### Product Overview

BioVenic Ovine Pentosidine (PTD) ELISA Kit-Competitive is designed for the quantitative determination of Ovine Pentosidine (PTD) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Competitive ELISA method. For research use only.

### Specifications

Assay Type	ELISA-Competitive
Specificity	The assay kit is specific for Ovine PTD.
Target Species	Ovine
Species Reactivity	Ovine
Detection Range	6.26-400 ng/mL
Sensitivity	2.13 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 120 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

### Target Information

Pentosidine (PTD) is a biomarker for advanced glycation end products (AGEs). It cross-links collagen molecules, might play an important role in increased collagen stiffness and the weakening of cartilage biomechanics with old age. AGEs are biochemicals formed continuously under normal circumstances, but their production accelerates under various stresses, especially oxidative stress and hyperglycemia. AGEs serve as markers of stress and can act as toxins themselves.

Target/Biomarker	Ovine PTD
Target Synonym	PTD

### Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.