

## Feline Pentraxin 3, Long (PTX3) ELISA Kit-Sandwich

**Cat. No.:** EK12F960

**Product Type:** Animal Immunoassay Kits

**Size:** 48T;96T

### Product Overview

BioVenic Feline Pentraxin 3, Long (PTX3) ELISA Kit-Sandwich is designed for the quantitative determination of Feline Pentraxin 3, Long (PTX3) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Sandwich ELISA method. For research use only.

### Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Feline PTX3.
Target Species	Feline
Species Reactivity	Feline
Detection Range	31.25-2000 pg/mL
Sensitivity	13.5 pg/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 210 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

### Target Information

Long Pentraxin PTX3 is a pattern recognition molecule that is mainly induced by pro-inflammatory cytokines such as IL-1 $\beta$  and TNF $\alpha$ , as well as by TLR agonists and microbial components. PTX3 belongs to the pentraxin superfamily, which includes proteins with multifunctional roles in innate immunity and inflammation. It is a prototypic humoral molecule that provides defense against infectious agents and plays several roles in tissue repair and regulation of cancer-related inflammation.

Target/Biomarker	Feline PTX3
Target Synonym	TNFAIP5; TSG-14; Pentaxin-Related Gene, Rapidly Induced By IL-1 Beta; Tumor Necrosis Factor Alpha-Induced Protein 5; Tumor necrosis factor-inducible gene 14 protein; Pentraxin 3; Pentraxin-Related Protein PTX3

## 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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## Reference

Doni, A. *et al.* The Long Pentraxin PTX3 as a Link Between Innate Immunity, Tissue Remodeling, and Cancer. *Frontiers in immunology*. 2019, 10.

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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.