

## Caprine Interleukin 1 Alpha (IL1A) ELISA Kit-Sandwich

**Cat. No.:** EK1F173

**Product Type:** Animal Immunoassay Kits

**Size:** 48T;96T

### Product Overview

BioVenic Caprine Interleukin 1 Alpha (IL1A) ELISA Kit-Sandwich is designed for the quantitative determination of Caprine Interleukin 1 Alpha (IL1A) 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 Caprine IL1A.
Target Species	Caprine
Species Reactivity	Caprine
Detection Range	15.63-1000 pg/mL
Sensitivity	6.3 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

Interleukin-1 alpha (IL-1 alpha), also known as hematopoietin 1, is a cytokine belonging to the interleukin-1 family. Interleukin 1 alpha is encoded by the goat gene *IL1A*. IL1A is secreted by Sertoli and germ cells and is known to inhibit Leydig cell steroidogenesis, stimulate Sertoli cell transferrin and IL6 production, and promote Sertoli cell proliferation. IL-1 alpha is responsible for inflammation, fever promotion, and sepsis.

Target/Biomarker	Caprine IL1A
Target Synonym	IL1 Alpha; IL1-A; IL-1 $\alpha$ ; IL1F1; Preinterleukin 1 Alpha; Hematopoietin-1; Pro-Interleukin-1-Alpha; Interleukin-1 Family Member 1
Gene ID	<a href="#">100861289</a>

**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.