

Rabbit Interleukin-1 Beta (IL1B) ELISA Kit-Sandwich

Cat. No.: EK3F129

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Rabbit Interleukin 1 Beta (IL1B) ELISA Kit-Sandwich is designed for the quantitative determination of Rabbit IL1B in serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, 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 Rabbit IL1B
Target Species	Rabbit
Species Reactivity	Rabbit
Detection Range	7.85-500 pg/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 12%
Assay Time	Around 90 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids.

Target Information

Interleukin-1 beta (IL-1 β), also known by names such as leukocytic pyrogen, leukocytic endogenous mediator, mononuclear cell factor, and lymphocyte activating factor, is a cytokine protein. IL-1 β is a key mediator of acute and chronic inflammation. It induces the production of other pro-inflammatory cytokines, chemokines, and adhesion molecules. It contributes to fever, pain, and tissue damage. Research indicates that the IL1B/IL1R1 system is expressed in the reproductive tracts of both male and female rabbits, suggesting that IL1B in seminal plasma may impact uterine endocrine activity.

Target/Biomarker	Rabbit IL1B
Target Synonym	IL-1B; IL1-B; IL1-Beta; IL1F2; IL-1 β ; Interleukin-1 Family Member 2; Catabolin
Gene ID	100008990
UniProt ID	P14628

Shipping and Storage

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

Reference

Guelfi, Gabriella *et al.* "Interleukin-1 Beta (IL1B) and Nerve Growth Factor (NGF): Key Players in Rabbit Reproductive Regulation." *International journal of molecular sciences* vol. 25,20 10986. 12 Oct. 2024.

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.