

Goat Insulin Like Growth Factor Binding Protein 4 (IGFBP4) ELISA Kit-Sandwich

Cat. No.: EK12F913

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Goat Insulin Like Growth Factor Binding Protein 4 (IGFBP4) ELISA Kit-Sandwich is designed for the quantitative determination of Goat Insulin Like Growth Factor Binding Protein 4 (IGFBP4) 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 Goat IGFBP4.
Target Species	Caprine
Species Reactivity	Caprine
Detection Range	0.32-20 ng/mL
Sensitivity	0.116 ng/mL
Recovery	80%-102%
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 270 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

Insulin Like Growth Factor Binding Protein 4 is encoded by the *IGFBP4* gene in goats. IGFBP4 is a member of the IGFBP family, which is known to play multiple roles in different types of cancer. IGFBP4 regulates growth and development of tissues and organs by negatively regulating IGF signaling. Among most cancers, IGFBP4 has a growth inhibitory role and is reported as a down-regulated gene, except for renal cell carcinoma, wherein IGFBP4 promotes tumor progression.

Target/Biomarker	Caprine IGFBP4
Target Synonym	BP4;HT29-IGFBP;IBP4
Gene ID	100860812

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

Liu, Y. *et al.* Expression characteristics and their functional role of IGFBP gene family in pan-cancer. *BMC Cancer*. 2023, 23: 371.

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.