

## Ovine Actin Beta (ACTB) ELISA Kit-Competitive

**Cat. No.:** EK1F585

**Product Type:** Animal Immunoassay Kits

**Size:** 96T

### Product Overview

BioVenic Ovine Actin Beta (ACTB) ELISA Kit-Competitive is designed for the quantitative determination of Ovine Actin Beta (ACTB) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Competitive ELISA method. For research use only. Sandwich ELISA assay kit targeting Ovine Actin Beta (ACTB) is available. Please inquiry for more information.

### Specifications

Assay Type	ELISA-Competitive
Specificity	The assay kit is specific for Ovine ACTB.
Target Species	Ovine
Species Reactivity	Ovine
Detection Range	0.16-10 ng/mL
Sensitivity	0.057 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

Actin Beta (ACTB) is a highly conserved protein involved in cell motility, structure, and integrity. Actin exists in both monomeric (G-actin) and polymeric (F-actin) forms. Both forms play key functions, such as cell motility, contraction, and cytoskeleton maintenance. Actin also localizes in the nucleus, where it regulates gene transcription and DNA repair. Actin abnormalities can impact cellular processes and contribute to diseases.

Target/Biomarker	Ovine ACTB
Target Synonym	ACT-B; PS1TP5BP1; Actin, cytoplasmic 1; Actin, cytoplasmic 1, N-terminally processed

Gene ID [443052](#)

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UniProt ID [P60713](#)

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### **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.