

Swine Actin Beta (ACTB) ELISA Kit-Competitive

Cat. No.: EK1F582

Product Type: Animal Immunoassay Kits

Size: 96T

Product Overview

BioVenic Swine Actin Beta (ACTB) ELISA Kit-Competitive is designed for the quantitative determination of Swine 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 Swine Actin Beta (ACTB) is available. Please inquiry for more information.

Specifications

Assay Type	ELISA-Competitive
Specificity	The assay kit is specific for Swine ACTB.
Target Species	Swine
Species Reactivity	Swine
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, cytoplasmic 1 (ACTB) is a highly conserved protein that plays essential roles in various cellular processes. 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, Cytoplasmic 1 is encoded by the *ACTB* gene in pigs. It is involved in cell motility, structure and integrity. This gene is a good reference gene for high abundant transcripts in expression studies across different porcine tissues.

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

Gene ID [414396](#)

UniProt ID [Q6QAQ1](#)

Shipping and Storage

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

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.