

Fish Caspase-3 (CASP3) ELISA Kit-Sandwich

Cat. No.: EK11F380

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Fish Caspase-3 (CASP3) ELISA Kit-Sandwich is designed for the quantitative determination of Fish Caspase-3 (CASP3) 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 Fish CASP3.
Target Species	Aquaculture Species
Species Reactivity	Aquaculture Species
Recovery	98%-102%
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 180 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids; 10 µL

Target Information

Caspases, including caspase-3, are aspartate-specific cysteine proteases responsible for executing programmed cell death (apoptosis). They cleave various substrates, leading to cell demise. Caspase-3 activation can be detected using antibody-based or substrate-based methods¹. In summary, caspase-3 is a key player in orchestrating cellular fate during critical processes like apoptosis. Research has shown that the isolated caspase-3 plays an important role in the induction of ceramide generation as well as apoptosis in fish cells and the zebrafish embryo.

Target/Biomarker	Fish CASP3
Target Synonym	caspase-3; CASP3

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.