

## Bovine Thyrotropin Subunit Beta (TSHB) ELISA Kit-Sandwich

**Cat. No.: EK11F937**

**Product Type: Animal Immunoassay Kits**

**Size: 48T;96T**

### Product Overview

BioVenic Bovine Thyrotropin Subunit Beta (TSHB) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Thyrotropin Subunit Beta (TSHB) 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 Bovine TSHB.                                                             |
| Target Species     | Bovine                                                                                                 |
| Species Reactivity | Bovine                                                                                                 |
| Detection Range    | 0.156-10 ng/mL                                                                                         |
| 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

Bovine Thyrotropin Subunit Beta is encoded by the *TSHB* gene in cattle. It has been proposed that the beta-subunit has within its structure the primary determinants which are necessary to stimulate biological activity. TSH stimulates the thyroid gland to produce and release thyroxine (T4) and triiodothyronine (T3). These thyroid hormones play essential roles in metabolism, growth, and development. When thyroid hormone levels are low, the pituitary gland releases more TSH to stimulate the thyroid.

|                  |                                                                                                                                                                                                                                                                  |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target/Biomarker | Bovine TSHB                                                                                                                                                                                                                                                      |
| Target Synonym   | thyroid stimulating hormone subunit beta; thyrotropin subunit beta; TSH-B; TSH-beta; thyroid stimulating hormone beta; thyroid stimulating hormone beta subunit; thyroid stimulating hormone, beta polypeptide; thyrotropin beta chain; thyrotropin beta subunit |
| Gene ID          | <a href="#">281552</a>                                                                                                                                                                                                                                           |

**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.