Inhibin B is a dimeric hormone that is composed of alpha (α) and beta B (βB) subunits. The free α subunits usually do not have any physiological effect. Therefore, the bioactivity of the inhibins depends on the formation of a dimeric α-β structure, and only dimeric forms of inhibins are biologically active. Inhibins are protein hormones secreted by granulosa cells of the ovary in the female and sertoli cells of the testis in the male. They selectively suppress the secretion of pituitary follicle stimulating hormone (FSH) and also have local paracrine actions in the gonads. Inhibin B levels have been reported in sertoli cell function (potential marker for spermatogenesis and testicular function), and in studies of ovarian reserve and granulosa cell tumors.

Ansh Inhibin B ELISA captures the βB-subunit and sandwiches Inhibin B specifically by detecting the α-subunit.

Inhibin B is an important and useful research tool for reproductive endocrinology research. We offer an expanding menu of the most specific and sensitive assays available for Inhibin B and other key factors that have important physiological roles in folliculogenesis.

**Ansh Labs Advantage**

**Analytical measurable ranges and sensitivities of:**
- Inhibin B ELISA (AL-107): 12.7-1390 pg/mL and 1.6 pg/mL
- Ultra-Sensitive Inhibin B ELISA (AL-195): 3.7-42 and 0.77 pg/mL

**Native human Inhibin B calibrators**

optimized and stable after reconstitution up to 14 days at 2-8°C, one year at –20°C or colder and for up to three freeze-thaw cycles

Kit includes all reagents needed to run a 96-well plate, shipped at ambient temperatures and stored at 2-8°C

no need to buy and store additional reagents separately under different storage conditions

**Long shelf-life**

minimizing lot changes ensures long-term consistency and precision of results

**Automation ready**

simple procedure is automatable on most robotic platforms

**Accurate**

Native human Inhibin B calibrators

![Linearity Plot](image)

**Specific**

To ensure accurate quantitation of Inhibin B, we employ an in-the-well sample extraction step using a proprietary detergent and oxidant solution.

**Reliable**

![Graph](image)

**Inhibin B**, **Ansh Labs**

The Difference is in the Results. Go Ahead. Test Us!
Inhibin B is a useful research tool in Reproductive Endocrinology studies related to:

- Ovarian function assessment
- Spermatogenesis and testicular function
- Oocyte quality

### ELISA

**Method:** Quantitative three-step sandwich type immunoassay  
**Incubation Time:** 3.5 hours at RT, 1.5 hours at RT  
**Approx Range:** 6, 12.7-1390 pg/mL, 6,3.9-542 pg/mL  
**Sensitivity:** 1.6 pg/mL, 0.77 pg/mL  
**Sample Size / Type:** 50 μL / Serum, 50 μL / Serum  
**Shelf-life:** 24 months

### Ultra-Sensitive ELISA

**Method:** Quantitative three-step sandwich type immunoassay  
**Incubation Time:** 3.5 hours at RT, 1.5 hours at RT  
**Approx Range:** 6, 12.7-1390 pg/mL, 6,3.9-542 pg/mL  
**Sensitivity:** 1.6 pg/mL, 0.77 pg/mL  
**Sample Size / Type:** 50 μL / Serum, 50 μL / Serum  
**Shelf-life:** 24 months

### Ordering Information

<table>
<thead>
<tr>
<th>Inhibin B</th>
<th>96-Well ELISA</th>
<th>AL-107*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultra-Sensitive Inhibin B</td>
<td>96-Well ELISA</td>
<td>AL-195*</td>
</tr>
</tbody>
</table>

Additionally, we have proteins and many monoclonal antibodies to AMH, Inhibin B and other hormones in the TGF-beta superfamily.

Call us today or visit AnshLabs.com to see what's new in our lab.

Ansh Labs is ISO 13485 certified for design, development, manufacturing, services and distribution of reagents/immunoassay kits for research and in vitro diagnostic applications.

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Customer Relations  
281.404.0260, Ext. 263  
sales@anshlabs.com

Sales  
281.404.0260  
sales@anshlabs.com

Products Listed:

**TGF-Beta Superfamily**  
Activin A  
Activin B  
Activin AB  
AFP  
AMH  
AMH, Dried Blood Spot  
picoAMH (MenOCheck)  
Estriol  
Follistatin  
Follistatin Like 3  
FSH  
FSH, Dried Blood Spot  
GDF-9  
IGF, Intact  
Inhibin, Total  
Inhibin A  
Inhibin B  
Inhibin B, Ultra-Sensitive LH  
LH, Dried Blood Spot  
PAPP-A  
picoPAPP-A  
PAPP-A2

**Glucagon Regulation**  
C-Peptide of insulin  
Glicentin  
GLP-1  
GLP-2  
Glucagon  
Major Proglucagon Fragment  
Oxyntomodulin

**Growth Factors**  
IGF-I, Free  
IGF-I, Total  
IGF-II  
IGFBP-2  
IGFBP-3, Intact  
IGFBP-3, Total  
IGFBP-4, Intact  
IGFBP-4, Total  
IGFBP-5  
Stanniocalcin 2

**Neuronal Disorders**  
MBP

**Specialty Controls**  
Ansh√Check AMH Tri-Level Controls  
Ansh√Check Inhibin B Tri-Level Controls  
Ansh√Check Maternal Screening Bi-Level Controls

**Species Specific Assays**  
Activin B - Mouse  
AMH - Bovine, Canine, Caprine, Equine, Mouse, Ovine, Porcine, Rat  
IGF-I, Free - Rat and Mouse  
IGF-I, Total - Mouse  
Inhibin A - Canine, Equine, Rodent  
Inhibin B - Canine, Equine, Rodent  
Oxyntomodulin - Rat, Mouse  
PAPP-A - Mouse

*Unless otherwise stated in our catalog or other product documentation, these kits are intended for research use only and not for in vitro diagnostic purposes or therapeutic uses.