Inhibin B is a dimeric hormone that is composed of alpha (α) and beta B (βB) subunits. The free alpha 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 range of 12.7-1390 pg/mL**

Wide dynamic range and sensitivity to < 1.6 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

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**Accurate**

Native human Inhibin B calibrators

**Specific**

To ensure accurate quantitation of Inhibin B, we employ an in-the-well sample extraction step using a proprietary detergent and oxidant solution. This step is essential to destroy catalases and proteases present in samples, and to remove binding proteins and potential false positive result causing agents as reported by Evans and Groome (2001, Imperial College Press London, p. 11.)

**Reliable**

Total imprecision of < 7.5% at concentrations greater than 50 pg/mL
Inhibin B is a useful research tool in Reproductive Endocrinology studies related to:

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

**Ordering Information**

<table>
<thead>
<tr>
<th>Inhibin B</th>
<th>96-Well ELISA</th>
<th>AL-107*</th>
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</thead>
<tbody>
<tr>
<td>Inhibin B</td>
<td>96-Well CLIA</td>
<td>AL-207*</td>
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</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 and ISO 9001 certified for design, development, manufacturing, services and distribution of reagents/immunoassay kits for research and in vitro diagnostic applications.