

# Inhibin A

Enzyme-Linked Immunoassay Kit



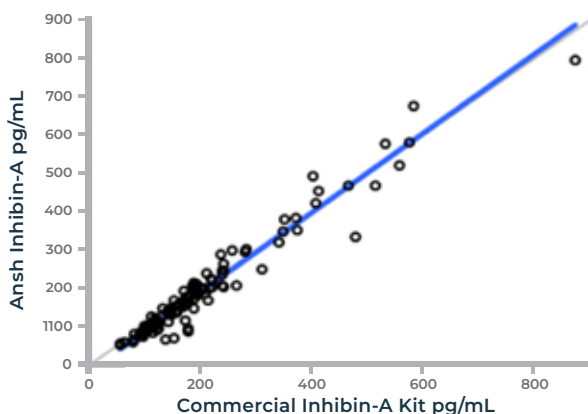
**Introduction:** Inhibins are heterodimeric protein hormones secreted by granulosa cells of the ovary in the female and sertoli cells of the testis in the male. They selectively suppress the secretion of pituitary follicle stimulating hormone (FSH) and also have local paracrine actions in the gonads. The fully processed form of the inhibin molecule has a molecular weight of approximately 32 kD and consists of the two distinct chains ( $\alpha$  and  $\beta$ ), linked by disulfide bridges. Higher molecular weight forms, with precursor forms of the  $\alpha$ -subunit, also occur in follicular fluid and serum. In addition, free  $\alpha$ -subunit forms, unassociated with a  $\beta$ -subunit, and lacking inhibin bioactivity, are also present. Inhibin A consists of an  $\alpha$ -subunit and  $\beta$ A-subunit. Ansh Inhibin A ELISA captures the  $\beta$ A-subunit and sandwiches Inhibin A specifically by detecting the  $\alpha$ -subunit.

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

## ANSH LABS ADVANTAGES

### Accurate

The Inhibin A ELISA has been compared to a commercially available Inhibin A kit (Method A) using 116 pregnant female serum samples in the range of 50-795 pg/mL. Passing-Bablok regression: Inhibin A ELISA (AL-123) = 1.03 (Method A) -14.9 ( $r=0.97$ ;  $P<0.0001$ )



### Specific

The monoclonal antibody pair was developed in-house by Ansh Labs and detects Inhibin A without detectable cross-reactivity to other related proteins.

- Analytical measurable range of 9.9-1188 pg/mL**  
Wide dynamic range and sensitivity to  $< 6$  pg/mL
- Automation ready**  
Simple procedure is automatable on most robotic latforms.
- Kit includes all reagents needed to run a 96-well plate**  
No need to buy and store additional reagents separately.
- Long shelf-life**  
Minimizing lot changes ensures long-term consistency and precision of results.

Sample Name	% Cross-reactivity
Inhibin A	100
Inhibin B	ND
Activin A	ND
Activin B	ND
Activin AB	ND
Follistatin 288	ND
Follistatin 315	ND
Myostatin	ND

# Inhibin A

# Product Listing

Inhibin A is a useful research and diagnostic tool in Reproductive Endocrinology related to:

- Diagnosis and monitoring of various hormonal reproductive disorders
- Assessment of follicular recruitment and development
- Assessment of endocrine activity of pre-ovulatory follicles and corpus luteum

## ELISA 96 Wells

Method	Quantitative 3-step sandwich type immunoassay
Incubation Time	Total 4 hour incubation at room temperature
Approximate Dynamic Range	6 points, 9.9-1188 pg/mL
Sensitivity	5.45 pg/mL
Sample Size / Type	50 µL Serum
Shelf-life	24 months
Catalog Number	AL-123 [FDA, CE]

## Related Assays

picoinhibin A	96-Well ELISA	AL-184
Inhibin B	96-Well ELISA	AL-107 [CE]
Inhibin B, Ultra Sensitive	96-Well ELISA	AL-195 [CE]
Inhibin Total	96-Well ELISA	AL-134

\*Unless otherwise stated here, 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.

POS.123.1224.USINTL

### Reproductive Function

Activin A [CE]  
Activin B  
Activin AB  
AFP  
AMH [CE]  
AMH, Dried Blood Spot [CE]  
AMH (PCOCheck™) [CE]  
picoAMH (MenoCheck®) [FDA, CE]  
BMP-15  
Estriol [FDA, CE]  
Follistatin  
Follistatin Like-3  
FSH  
FSH, Dried Blood Spot  
GDF-9  
GDF-9/BMP-15 Complex  
GDF-15, Total  
GDF-15, H-Specific  
Inhibin, Total  
Inhibin A [FDA, CE]  
picoinhibin A  
Inhibin A (OMQCheck™)  
Inhibin B [CE]  
Inhibin B, Ultra-Sensitive [CE]  
LH  
LH, Dried Blood Spot  
PAPP-A [CE]  
PAPP-A2 [CE]  
picoPAPP-A [CE]  
PLGF [CE]  
Prolactin [FDA, CE]  
Prolactin, Dried Blood Spot [CE]

### Specialty Controls

AnshCheck AMH Tri-Level Controls [FDA, CE]  
AnshCheck Inhibin B Tri-Level Controls  
AnshCheck Maternal Screening Bi-Level Controls [FDA, CE]

### Metabolism

C-Peptide of Insulin  
GIP, Intact  
GIP, Total  
Glicentin  
GLP-1  
GLP-2  
Glucagon [FDA, CE]  
Major Proglucagon Fragment  
Oxyntomodulin  
Proglucagon

### Growth Factors

IGF-I, Free  
IGF-I, Total [FDA, CE]  
IGF-II  
IGFBP-2  
IGFBP-3, Intact  
IGFBP-3, Total  
IGFBP-4, Intact  
IGFBP-4, Total  
IGFBP-5  
picolL-6  
Stanniocalcin 2

### Species Specific Assays

Activin B: Mouse, Rat  
AMH: Bovine, Canine, Equine, Feline, Mouse, Ovine, Porcine, Primate, Rat  
GDF-15: Bovine  
IGF-I, Free: Mouse, Rat  
IGF-I, Total: Mouse, Rat  
IGFBP-4, Intact : Mouse, Rat  
IGFBP-4, Total: Mouse, Rat  
Inhibin A: Canine, Equine, Rodent  
Inhibin B: Canine, Equine, Mouse  
Oxyntomodulin: Mouse, Rat  
PAPP-A: Mouse

### Neuronal Disorders

MBP

\*\*Unless stated otherwise, products are for research use only.

### Customer Relations

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ISO 13485:2016

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