

## Datasheet

### Anti-Inhibin $\alpha$ Clone PO 23/32

Product Name	Anti Human Inhibin $\alpha$ PO 23/32
Catalogue Number	PO23/32
Clone, Isotype	PO 23/32, IgG2a
Format	IgG
Tested Applications	ELISA

#### **Description:**

Higher levels of inhibin  $\alpha$  have been associated with a higher risk of cancer progression and recurrence. Clone PO 23/32 is useful in detecting inhibin  $\alpha$  levels in cancer cells.

#### **Product Details:**

**Form in stock:** IgG, purified – 1.0 mg/mL. Also available as unpurified supernatant.

**Host:** Mouse

**Specificity:** Synthetic peptide corresponding to epitope region aa109-123 of the  $\alpha$ C region of  $\alpha$  subunit of inhibin A. (Robertson D.M. et al. 2001)

**Fusion partner:** Spleen cells from immunised Balb/c mice were fused with cells of the mouse SP2/0 myeloma cell line.

**Human Histology positive control:** Testis or ovary

**Storage:** Store at +4°C or -20°C. Avoid repeated freezing and thawing.

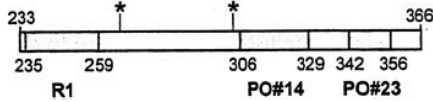
**Shelf life:** 18 months from date of dispatch.

**Regulatory/ Restrictions:** For research and commercial purposes.

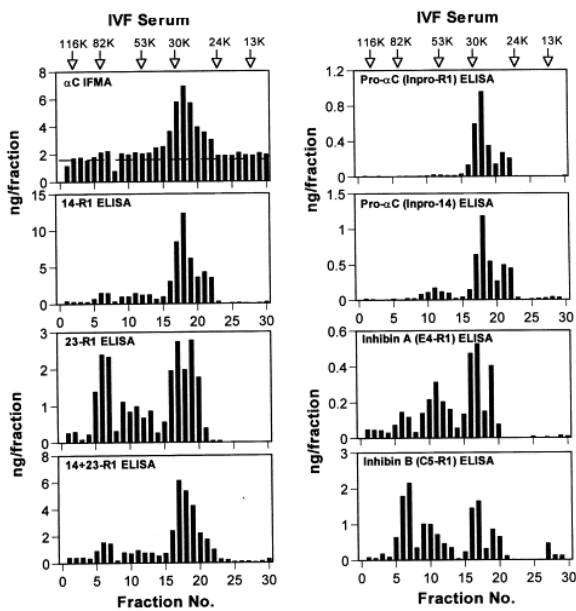
Applications	Suggested Dilution
ELISA	1-8000 ng/L

## Applications:

### $\alpha$ C region of the $\alpha$ subunit



Clone PO 23/32 binding region on  $\alpha$ C region of the  $\alpha$  subunit (Robertson D.M. et al. 2002)



Clone PO 23/32 used to detect binding to inhibin  $\alpha$  by ELISA

**Image caption:** Molecular weight profiles of Pro- $\alpha$ C and inhibin A in IVF serum as determined by various assays. Samples were fractionated through an immunoaffinity/preparative PAGE/electroelution procedure prior to assay. Horizontal dashed line in the  $\alpha$ C IFMA profile refers to the sensitivity of the assay. (Robertson D.M. et al. 2001)

## References:

1. Robertson, D.M., Stephenson, T., Cahir, N., Tsigos, A., Pruyzers, E., Stanton, P.G., Groome, N.P., Thirunavukarasu, P. (2001) Development of an inhibin  $\alpha$  subunit ELISA with broad specificity. *Molecular and Cellular Endocrinology, Volume 180, Issues 1-2, Pages 79-86, ISSN 0303-7207.*
2. Robertson, D. M., Stephenson, T., Pruyzers, E., McCloud, P., A. Tsigos, A., Groome, N.P., Mamers, P., Burger, H. G. (2002) Characterization of Inhibin Forms and Their Measurement by an Inhibin  $\alpha$ -Subunit ELISA in Serum from Postmenopausal Women with Ovarian Cancer. *Journal of Clinical Endocrinology & Metabolism ; 87 (2): 816-824.*