

# Product Datasheet

## GnRHR Antibody (A9E4) - Azide and BSA Free NBP3-11601

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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**NBP3-11601**

GnRHR Antibody (A9E4) - Azide and BSA Free

| Product Information         |  |
|-----------------------------|--|
| Unit Size                   | 0.1 mg   |
| Concentration               | 1 mg/ml  |
| Storage                     | Store at -20 to -80C. Avoid freeze-thaw cycles.  |
| Clonality                   | Monoclonal   |
| Clone                       | A9E4   |
| Preservative                | No Preservative  |
| Isotype                     | IgG1 Kappa   |
| Purity                      | Protein A or G purified  |
| Buffer                      | 10 mM PBS  |
| Product Description         |  |
| Description                 | 1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA. Also available at 200 ug/ml WITH BSA & azide (NBP2-45299).<br><br>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.  |
| Host                        | Mouse  |
| Gene ID                     | 2798   |
| Gene Symbol                 | GNRHR  |
| Species                     | Human  |
| Reactivity Notes            | Predicted to react with Porcine, Rabbit.   |
| Specificity/Sensitivity     | Recognizes an epitope on the extracellular domain of gonadotropin releasing hormone (GnRH) receptor or luteinizing hormone receptor (LHCGR). Lutropin (also designated luteinizing hormone) plays a role in spermatogenesis and ovulation by stimulating the testes and ovaries to produce steroids. Gonadotropin (also designated choriogonadotropin) production in the placenta maintains estrogen and progesterone levels during the first trimester of pregnancy. Ovaries and testes abundantly express luteinizing hormone/choriogonadotropin receptor. GnRH receptor contains seven hydrophobic transmembrane domains connected by hydrophilic extracellular and intracellular loops characteristic of G-protein coupled receptors. GnRH stimulates the gonadotrophs of the anterior pituitary to secrete luteinizing hormone (LH) as well as follicle-stimulating hormone (FSH). GnRH influences the protective effect of pregnancy and Gonadotropin against breast cancer. The expression of GnRH on breast carcinoma correlates in part to the degree of tumor differentiation. GnRH-positive breast tumors occur more frequently in tumors with greater cell differentiation in premenopausal women. GnRH is present in luteal and granulosa cells as well as in ovarian cell membrane preparations. |
| Immunogen                   | A synthetic peptide aa 1-29 (MANSASPEQNQHCSAINNSIPLMQGNLPY) from the N-terminal of human GnRHR.  |
| Product Application Details |  |
| Applications                | Flow Cytometry, Immunofluorescence   |
| Recommended Dilutions       | Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunofluorescence 1 - 2 ug/ml  |
| Application Notes           | Optimal dilution for a specific application should be determined.  |



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### **Products Related to NBP3-11601**

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|                  |   |
|------------------|---|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| NBP2-55552PEP    | GnRHR Recombinant Protein Antigen                       |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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