

# LH monoclonal antibody, clone 3F5

Catalog # MAB1585

Size 1 mg

## Specification

|                                |                                                                                                                        |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Mouse monoclonal antibody raised against full length native LH.                                                        |
| <b>Immunogen</b>               | Native purified human LH.                                                                                              |
| <b>Host</b>                    | Mouse                                                                                                                  |
| <b>Reactivity</b>              | Human                                                                                                                  |
| <b>Specificity</b>             | This antibody react with hLH. No cross-reactivity with hCG, FSH and TSH.                                               |
| <b>Form</b>                    | Liquid                                                                                                                 |
| <b>Isotype</b>                 | IgG1                                                                                                                   |
| <b>Quality Control Testing</b> | Antibody Reactive Against Native Purified Protein.                                                                     |
| <b>Recommend Usage</b>         | The optimal working dilution should be determined by the end user.                                                     |
| <b>Storage Buffer</b>          | In 15 mM potassium phosphate buffer, 0.85% NaCl, pH 7.2 (0.05% sodium azide)                                           |
| <b>Storage Instruction</b>     | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                 |
| <b>Note</b>                    | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

## Applications

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — LHB

Entrez GeneID

[3972](#)

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name          | LHB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Alias         | CGB4, LSH-B, hLHB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Description   | luteinizing hormone beta polypeptide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Omim ID            | <a href="#">152780</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Summary       | This gene is a member of the glycoprotein hormone beta chain family and encodes the beta subunit of luteinizing hormone (LH). Glycoprotein hormones are heterodimers consisting of a common alpha subunit and an unique beta subunit which confers biological specificity. LH is expressed in the pituitary gland and promotes spermatogenesis and ovulation by stimulating the testes and ovaries to synthesize steroids. The genes for the beta chains of chorionic gonadotropin and for luteinizing hormone are contiguous on chromosome 19q13.3. Mutations in this gene are associated with hypogonadism which is characterized by infertility and pseudohermaphroditism. [provided by RefSeq] |
| Other Designations | interstitial cell stimulating hormone, beta chain luteinizing hormone beta subunit lutropin, beta chain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Pathway

- [GnRH signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

## Disease

- [Alzheimer disease](#)
- [Asperger Syndrome](#)
- [Autistic Disorder](#)
- [Endometriosis](#)
- [Genetic Predisposition to Disease](#)
- [Hypogonadism](#)
- [Infertility](#)
- [Obesity](#)
- [Ovarian Diseases](#)

- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Social Perception](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)