

## Mouse Epiregulin ELISA Kit | EREG elisa kit

Mouse Epiregulin ELISA Kit

CATALOG #  
**AAA263116**

REACTIVITY  
**Mouse**

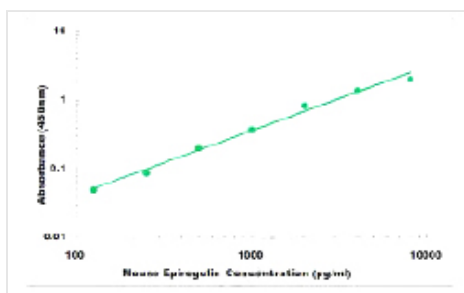
### PRODUCT SYNONYMS

Epiregulin; Mouse Epiregulin ELISA Kit; Proepiregulin; EREG elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                               |
| Specificity             | The Mouse Epiregulin ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse Epiregulin proteins within the range of 125 pg/ml - 8000 pg/ml. |
| Sequence Length         | 162                                                                                                                                                                                                 |
| Samples                 | Cell Culture Supernates, Serum, Plasma                                                                                                                                                              |
| Sensitivity             | <10 pg/ml                                                                                                                                                                                           |
| Preparation and Storage | Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.                                                                                         |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for EREG elisa kit

**Principle of the Assay:** The Mouse Epiregulin ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse Epiregulin in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Mouse Epiregulin coated on a 96-well plate. Standards and samples are pipetted into the wells and Epiregulin present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse Epiregulin antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Epiregulin bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

**Background:** Epiregulin (EPR) is a protein that in humans is encoded by the EREG gene. It is a member of the epidermal growth factor family. Epiregulin can function as a ligand of epidermal growth factor receptor (EGFR), as well as a ligand of most members of the ERBB (v-erb-b2 oncogene homolog) family of tyrosine-kinase receptors. The secondary structure at the C-terminus epiregulin is different from other epidermal growth factor family ligands because of the lack of hydrogen bonds. The structural difference at the C-terminus may provide an explanation for the reduced binding affinity of epiregulin to the ERBB receptors.

NCBI AND UNIPROT INFORMATION

|                                  |                             |
|----------------------------------|-----------------------------|
| NCBI GI #                        | 6679683                     |
| NCBI GeneID                      | 13874                       |
| NCBI Accession #                 | NP_031976.1                 |
| NCBI GenBank Nucleotide #        | NM_007950.2                 |
| UniProt Accession #              | Q61521; Q7M0A8              |
| Molecular Weight                 | 18,474 Da                   |
| NCBI Official Full Name          | proepiregulin preproprotein |
| NCBI Official Synonym Full Names | epiregulin                  |
| NCBI Official Symbol             | Ereg                        |
| NCBI Official Synonym Symbols    | EPR                         |
| NCBI Protein Information         | proepiregulin               |
| UniProt Protein Name             | Proepiregulin               |
| UniProt Gene Name                | <b>Ereg</b>                 |
| UniProt Synonym Gene Names       | EPR                         |
| UniProt Entry Name               | EREG_MOUSE                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/ereg-mouse-elisa-kits/epiregulin/263116>