

## Human HB-EGF ELISA Kit | HB-EGF elisa kit

Human HB-EGF Pre-Coated ELISA Kit

CATALOG #  
**AAA79433**

REACTIVITY  
**Human**

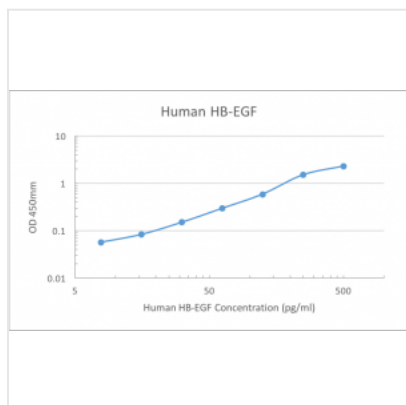
### PRODUCT SYNONYMS

HB-EGF; Human HB-EGF Pre-Coated ELISA Kit; HB-EGF elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                         |
| Specificity             | Natural and recombinant Human HB-EGF                                                                                                                                                                                                                                                                                                                          |
| Assay Type              | Solid Phase Sandwich ELISA: 96-Well Strip Plate                                                                                                                                                                                                                                                                                                               |
| Detection Range         | 7.8pg/ml-500pg/ml                                                                                                                                                                                                                                                                                                                                             |
| Sensitivity             | <10pg/ml                                                                                                                                                                                                                                                                                                                                                      |
| Components              | Anti-Human HB-EGF Pre-coated 96-well strip microplate<br>Human HB-EGF Standard<br>Human HB-EGF Biotinylated antibody (100x)<br>Avidin-Biotin-Peroxidase Complex (100x)<br>Sample Diluent<br>Antibody Diluent<br>Avidin-Biotin-Peroxidase Diluent<br>Wash Buffer Concentrate (Powder for 1000mL)<br>Color Developing Reagent<br>Stop Solution<br>Plate Sealers |
| Interference            | No detectable cross-reactivity with other relevant proteins                                                                                                                                                                                                                                                                                                   |
| Preparation and Storage | Store the unopened product at 2-8 degree C.                                                                                                                                                                                                                                                                                                                   |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for HB-EGF elisa kit | <p>HB-EGF is an EGF-related growth factor that signals through the EGF receptor, and stimulates the proliferation of smooth muscle cells (SMC), fibroblasts, epithelial cells, and keratinocytes. HB-EGF is expressed in numerous cell types and tissues, including vascular endothelial cells, and vascular SMC, macrophages, skeletal muscle, keratinocytes, and certain tumor cells. The ability of HB-EGF to specifically bind heparin and heparin sulfate proteoglycans is distinct from other EGF-like molecules, and may be related to the enhanced mitogenic activity, relative to EGF, that HB-EGF exerts on smooth muscle cells. The human HB-EGF gene encodes a 208 amino acid transmembrane protein, which can be proteolytically cleaved to produce soluble HB-EGF.</p> <p>Human HB-EGF Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure HB-EGF with a 96-well strip plate that is pre-coated with mouse monoclonal antibody specific for HB-EGF. It contains sf21-expressed recombinant HB-EGF. The detection antibody is a biotinylated goat polyclonal antibody specific for HB-EGF. The kit is analytically validated with ready to use reagents.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4503413                                                                                                                                                                                                                                        |
| NCBI GeneID                      | 1839                                                                                                                                                                                                                                           |
| NCBI Accession #                 | NP_001936.1                                                                                                                                                                                                                                    |
| NCBI GenBank Nucleotide #        | NM_001945.2                                                                                                                                                                                                                                    |
| UniProt Accession #              | Q99075; B2R821                                                                                                                                                                                                                                 |
| Molecular Weight                 | 23,067 Da                                                                                                                                                                                                                                      |
| NCBI Official Full Name          | proheparin-binding EGF-like growth factor                                                                                                                                                                                                      |
| NCBI Official Synonym Full Names | heparin-binding EGF-like growth factor                                                                                                                                                                                                         |
| NCBI Official Symbol             | HBEGF                                                                                                                                                                                                                                          |
| NCBI Official Synonym Symbols    | DTR; DTS; DTSF; HEGFL                                                                                                                                                                                                                          |
| NCBI Protein Information         | proheparin-binding EGF-like growth factor; heparin-binding epidermal growth factor; diphtheria toxin receptor (heparin-binding EGF-like growth factor); diphtheria toxin receptor (heparin-binding epidermal growth factor-like growth factor) |
| UniProt Protein Name             | Proheparin-binding EGF-like growth factor                                                                                                                                                                                                      |
| UniProt Gene Name                | HBEGF                                                                                                                                                                                                                                          |
| UniProt Synonym Gene Names       | DTR; DTS; HEGFL; HB-EGF; HBEGF; DT-R                                                                                                                                                                                                           |
| UniProt Entry Name               | HBEGF_HUMAN                                                                                                                                                                                                                                    |

**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.