SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

# Product Information

## Recombinant Anti-Human hbegf Antibody Fab Fragment

Cat. No.: **MOM-18374-F(P)**
This product is for research use only and is not intended for diagnostic use.

### Product Overview

Recombinant Mouse Antibody Fab Fragment is specific to Human HBEGF, expressed in E. coli

### Antigen Description

May be involved in macrophage-mediated cellular proliferation. It is mitogenic for fibroblasts and smooth muscle but not endothelial cells. It is able to bind EGF receptors with higher affinity than EGF itself and is a far more potent mitogen for smooth muscle cells than EGF. Also acts as a diphtheria toxin receptor.

### Specific Activity

Tested positive against native antigen.

### Target

HBEGF

### Immunogen

Recombinant human HB EGF ectodomain expressed in SF21 cells.

### Source

Mouse

### Species Reactivity

Human

### Type

Fab

### Expression Host

E. coli

### Purity

>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.

### Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF and most other immunological methods.

### Storage

Store at -20°C for long-term storage. Store at 2-8°C for up to one month. Avoid freeze/thaw cycles.

## ANTIGEN GENE INFOMATION

### Gene Name

HBEGF heparin-binding EGF-like growth factor [ Homo sapiens ]


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**Official Symbol**

HBEGF

**Synonyms**

HBEGF; heparin-binding EGF-like growth factor; diphtheria toxin receptor (heparin binding epidermal growth factor like growth factor) , DTR, DTS, HEGFL; proheparin-binding EGF-like growth factor; Diphtheria toxin receptor (heparin binding EGF like growth factor); heparin binding epidermal 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); DTR; DTS; DTSF; HEGFL

**Gene ID**

1839

**mRNA Refseq**

NM_001945

**Protein Refseq**

NP_001936

**MIM**

126150

**UniProt ID**

Q99075

**Chromosome Location**

5q23

**Pathway**

Epithelial cell signaling in Helicobacter pylori infection, organism-specific biosystem; Epithelial cell signaling in Helicobacter pylori infection, conserved biosystem; ErbB receptor signaling network, organism-specific biosystem; ErbB signaling pathway, organism-specific biosystem; ErbB signaling pathway, organism-specific biosystem; ErbB signaling pathway, conserved biosystem; ErbB4 signaling events, organism-specific biosystem;

**Function**

epidermal growth factor receptor binding; eukaryotic cell surface binding; growth factor activity; heparin binding; receptor activity;

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