

## Human EGF Mouse mAb

CatalogNo: YM1450

### | Key Features

#### Host Species

- Mouse

#### Reactivity

- Human

#### Applications

- ELISA

#### MW

- (Observed)

### | Recommended Dilution Ratios

ELISA 1:10000-20000

### | Storage

#### Storage\*

-15°C to -25°C/1 year(Do not lower than -25°C)

#### Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### | Basic Information

#### Clonality

Monoclonal

### | Immunogen Information

#### Immunogen

Purified recombinant Human EGF protein fragments expressed in E.coli.

#### Specificity

This antibody detects Human EGF.

### | Target Information

#### Gene name

egf

**Protein Name****Organism****Gene ID****UniProt ID**

Human

[1950;](#)[P01133;](#)

Mouse

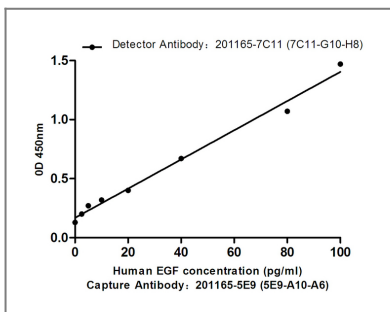
[13645;](#)[P01132;](#)**Cellular Localization**

Membrane; Single-pass type I membrane protein.

**Tissue specificity** Expressed in kidney, salivary gland, cerebrum and prostate.**Function**

Disease: Defects in EGF are the cause of hypomagnesemia type 4 (HOMG4) [MIM:611718]; also known as renal hypomagnesemia normocalciuric. HOMG4 is a disorder characterized by massive renal hypomagnesemia and normal levels of serum calcium and calcium excretion. Clinical features include seizures, mild-to moderate psychomotor retardation, and brisk tendon reflexes., Function: EGF stimulates the growth of various epidermal and epithelial tissues in vivo and in vitro and of some fibroblasts in cell culture. Magnesiotropic hormone that stimulates magnesium reabsorption in the renal distal convoluted tubule via engagement of EGFR and activation of the magnesium channel TRPM6., online information: Epidermal growth factor entry, similarity: Contains 9 EGF-like domains., similarity: Contains 9 LDL-receptor class B repeats., tissue specificity: Expressed in kidney, salivary gland, cerebrum and prostate.,

## Validation Data



Standard Curve for Human EGF: Capture Antibody Mouse mAb 201165-5E9 (5E9-A10-A6) to Human EGF at 4µg/ml and Detector Antibody Mouse mAb 201165-7C11(7C11-G10-H8) to Human EGF at 1µg/ml.

## Contact information

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**Human EGF Mouse mAb**