

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

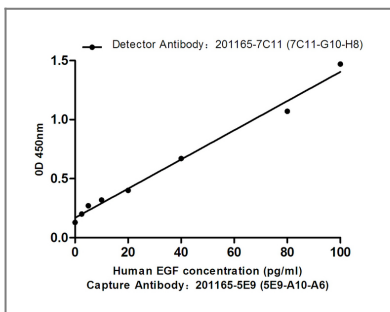
Protein Name	Organism	Gene ID	UniProt ID
	Human	1950 ;	P01133 ;
	Mouse		P01132 ;

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