ARG83527

arigoQIKTM Human EGF ELISA Development Kit

Package: 1 kit(5 plates), 1 kit (15 plates)
Store at: 4°C, -20°C

Summary

Product Description	ARG83527 arigoQIK™ Human EGF ELISA Development Kit, includes Capture antibody, Detection antibody, Standard, and HRP-Streptavidin Solution. This ELISA Development Kit is designed for the development of sandwich ELISA to measure Human EGF in serum, plasma and cell culture supernatants. For other reagents required for arigoQIK™ ELISA Development Kit, please refer ARG83524 Integral Reagent Kit (ELISA Development Kit) More about arigoQIK™: ● Optimized capture and detection antibody pairs ● Reduced incubation time and wash cycles ● 2-hour quicker than conventional ELISA process ● 5- and 15-plate packages available
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	EGF
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.98 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	1.95 - 125pg/ml
Sample Volume	50 µl
Alternate Names	EGF; Epidermal Growth Factor; Pro-Epidermal Growth Factor; Epidermal Growth Factor (Beta-Urogastrone); Beta-Urogastrone; HOMG4; URG

Properties

Storage instruction	Store components at 4°C or -20°C. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	EGF
Gene Full Name	Epidermal Growth Factor
Background	This gene encodes a member of the epidermal growth factor superfamily. The encoded preproprotein is proteolytically processed to generate the 53-amino acid epidermal growth factor peptide. This protein acts a potent mitogenic factor that plays an important role in the growth, proliferation and differentiation of numerous cell types. This protein acts by binding with high affinity to the cell surface receptor, epidermal growth factor receptor. Defects in this gene are the cause of hypomagnesemia type 4. Dysregulation of this gene has been associated with the growth and progression of certain

	cancers. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed. [provided by RefSeq, Jan 2016]
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. Can induce neurite outgrowth in motoneurons of the pond snail Lymnaea stagnalis in vitro. [UniProt]
Highlight	Related news: arigoQIK, DIY your sandwich ELISA kits;
PTM	Disulfide bond, Glycoprotein. [UniProt]
Cellular Localization	Membrane. [UniProt]