ARG83528

arigoQIKTM Human FGF basic ELISA Development Kit

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

Summary

Product Description	ARG83528 arigoQIK™ Human FGF basic 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 FGF basic 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	FGF basic
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	3.91 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	7.81 - 500pg/ml
Sample Volume	50 µl
Alternate Names	FGF2; Fibroblast Growth Factor 2; FGFB; Fibroblast Growth Factor 2 (Basic); Heparin-Binding Growth Factor 2; HBGF-2; FGF-2; BFGF; Basic Fibroblast Growth Factor BFGF; Basic Fibroblast Growth Factor; Prostatropin

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	FGF2
Gene Full Name	Fibroblast Growth Factor 2
Background	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. This protein has been implicated in diverse biological processes, such as limb and nervous system development, wound healing, and tumor growth. The mRNA for this gene contains multiple polyadenylation sites, and is alternatively translated from non-AUG (CUG) and AUG initiation codons, resulting in five different

	isoforms with distinct properties. The CUG-initiated isoforms are localized in the nucleus and are responsible for the intracrine effect, whereas, the AUG-initiated form is mostly cytosolic and is responsible for the paracrine and autocrine effects of this FGF. [provided by RefSeq, Jul 2008]
Function	Plays an important role in the regulation of cell survival, cell division, cell differentiation and cell migration. Mediates phosphorylation of ERK1/2 and thereby promotes retinal lens fiber differentiation. [UniProt]
Highlight	Related news: arigoQIK, DIY your sandwich ELISA kits;
PTM	Isopeptide bond, Methylation, Phosphoprotein, Ubl conjugation. [UniProt]
Cellular Localization	Nucleus, Secreted. [UniProt]