

ARG82558 Human FGFR1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82558-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82558-002	Standard	2 X 10 ng/vial	4°C
ARG82558-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82558-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82558-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82558-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82558-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82558-008	25X Wash buffer	20 ml	4°C
ARG82558-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82558-010	STOP solution	10 ml (Ready to use)	4°C
ARG82558-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82558 Human FGFR1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human FGFR1 in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	FGFR1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	10 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.6% Inter-Assay CV: 5.6%

Alternate Names FGF homologous factor receptor; FGFR-5; FGFR-like protein; Fibroblast growth factor receptor-like 1; FHFR; FGF receptor-like protein 1; FGFR5; Fibroblast growth factor receptor 5

Application Instructions

Assay Time ~ 5 hours

Properties

Form 96 well

Storage instruction Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. 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 FGFR1

Gene Full Name fibroblast growth factor receptor-like 1

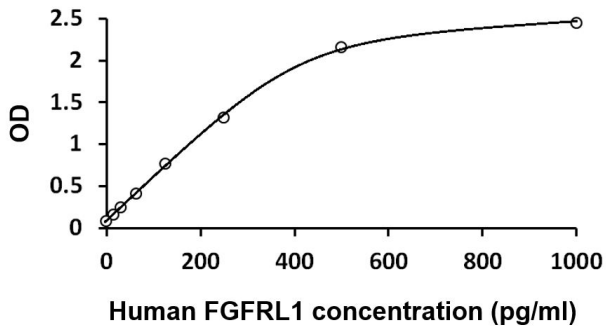
Background The protein encoded by this gene is a member of the fibroblast growth factor receptor (FGFR) family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. A marked difference between this gene product and the other family members is its lack of a cytoplasmic tyrosine kinase domain. The result is a transmembrane receptor that could interact with other family members and potentially inhibit signaling. Multiple alternatively spliced transcript variants encoding the same isoform have been found for this gene. [provided by RefSeq, Jul 2008]

Function Has a negative effect on cell proliferation. [UniProt]

Highlight Related products:

New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

Cellular Localization Membrane; Single-pass type I membrane protein. Note=Predominantly localized in the plasma membrane but also detected in the Golgi and in secretory vesicles. [UniProt]



ARG82558 Human FGFR1 ELISA Kit standard curve image

ARG82558 Human FGFR1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.