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Anti-FGFR2 hIgG1 Antibody(hFR2-14_H12-L1)

Product information

GM-88195AB-10	10 μg
GM-88195AB-100	100 μg
GM-88195AB-1000	1 mg

Antibody Information

Species Reactivity	Human
Clone	hFR2-14_H12-L1
Source/Isotype	hIgG1 (REEM), Kappa
Application	Bioactivity-ELISA
Target	Detects FGFR2
Gene	FGFR2
Other Names	BBDS, BEK, BFR-1, CD332, CEK3, CFD1, ECT1, JWS, K-SAM, KGFR, TK14, TK25
Gene ID	2263 (Human)
Background	FGFR2(Fibroblast Growth Factor Receptor 2) is a member of the FGFR family in the 10q26 region of the human genome. It is homologous to FGFR134 and functions as a Receptor tyrosine kinase. Its structure includes an extracellular Ig-like variant domain (common IIIB/IIIC splice variants), a transmembrane region, and an intracellular kinase domain responsible for receptor autophosphorylation and signaling. The core function of FGFR2 is to regulate cell proliferation, differentiation, migration, survival, tissue development and homeostasis maintenance, mainly through MAPK/ERK, PI3K/AKT, PLC γ and other pathways. It plays a key role in multiple phylogenies such as neural development, bone formation, skin and vascular development. Antibodies to FGFR2 have diverse applications in research and therapy, both for detection and localization in basic research and for targeted intervention in clinical therapy.
Storage	Store at 2-8℃ short term (1-2 weeks).Store at ≤ -20℃ long term. Avoid repeated freeze-thaw.
Formulation	Phosphate-buffered solution, pH 7.2-7.4.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Data Examples

Bioactivity-ELISA

Human FGFR2(IIIc) D1-D3 Protein; His Tag (Catalog # GM-88189RP) was immobilized at 2 μg/ml (100 μL/well). Increasing concentrations of Anti-FGFR2 hIgG1 Antibody(hFR2-14_H12-L1) (Catalog # GM-88195AB) were added.

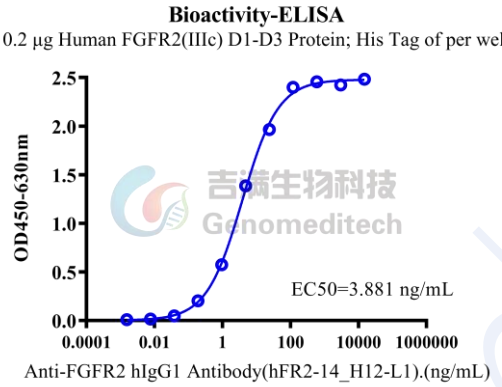

Fig. Assay

Bioactivity-ELISA

Human FGFR2(IIIb) D2-D3 Protein; His Tag (Catalog # GM-88186RP) was immobilized at 2 μg/ml (100 μL/well). Increasing concentrations of Anti-FGFR2 hIgG1 Antibody(hFR2-14_H12-L1) (Catalog # GM-88195AB) were added.

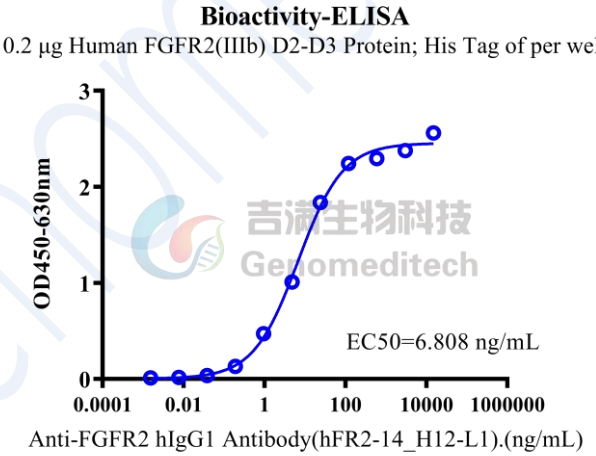

Fig. Assay