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Anti-FGFR2 hIgG1 Referece Antibody (Bemabio)

Product Information

Product Name	Anti-FGFR2 hIgG1 Referece Antibody (Bemabio)
Storage temp.	Store at 2-8℃ short term (1-2 weeks).Store at ≤ -20℃ long term. Avoid repeated freeze-thaw.
Catalog# / Size	**GM-88057MAB-1mg / 1 mg** **GM-88057MAB-5mg / 5 mg** **GM-88057MAB-25mg / 5 mg*5 vials** **GM-88057MAB-50mg / 50 mg** **GM-88057MAB-100mg / 50 mg*2 vials**

Antibody Information

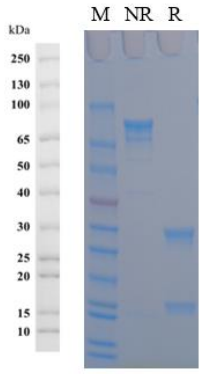
Expression System	CHO
Aggregation	< 5% as determined by SEC-HPLC
Purity	> 95% as determined by SDS-PAGE
Species Reactivity	Human
Clone	bemarituzumab
Source/Isotype	Human IgG1 RDEL D356E,L358M kappa
Application	Flow Cytometry; Bioactivity-ELISA
Specificity	Detects FGFR2
Gene	FGFR2
Other Names	BBDS, BEK, BFR-1, CD332, CEK3, CFD1, ECT1, JWS, K-SAM, KGFR, TK14, TK25
Gene ID	2263 (human); 14183 (mouse); Cynomolgus (102143086)
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.
Formulation	Phosphate-buffered solution, pH 7.2-7.4.

Version:3.1

Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

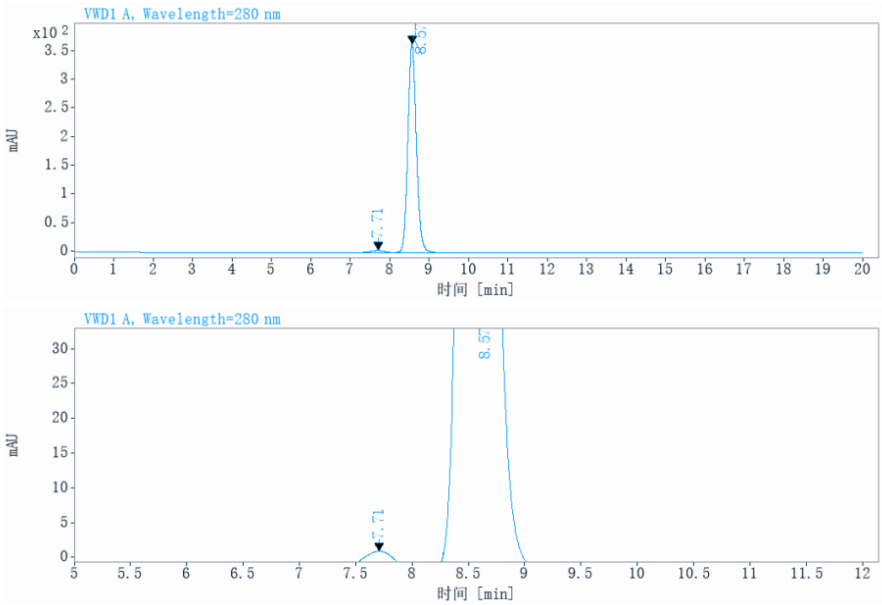
Data Examples

SDS-PAGE



On SDS-PAGE under reducing (R)/non-reducing(N-R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

SEC-HPLC

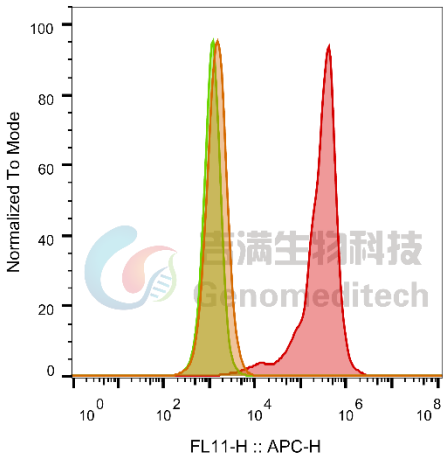


The purity of this product is more than 95% verified by SEC-HPLC

Version:3.1

Flow cytometry

H_FGFR2b HEK-293 Cell Line was stained with Anti-FGFR2 hIgG1 Referece Antibody (Bemabio) (Catalog # GM-88057MAB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



SampleID	Geometric Mean : FL11-H
HEK-293 anti-FGFR2+APC-2nd Ab	1474
HEK-293 H_FGFR2b H_IgG+APC-2nd Ab	1180
HEK-293 H_FGFR2b anti-FGFR2+APC-2nd Ab	248967

Fig. FACS

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 Referece Antibody (Bemabio) (Catalog # GM-88057MAB) were added.

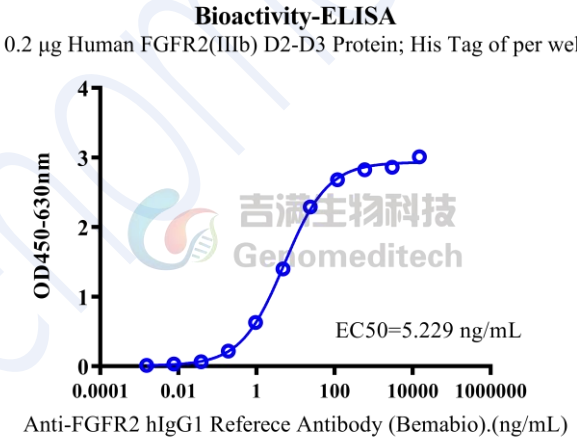


Fig. Assay

Bioactivity-ELISA

Cynomolgus FGFR2(IIIb) D1-D3 Protein; His Tag (Catalog # GM-88190RP) was immobilized at 2 μg/ml (100 μL/well). Increasing concentrations of Anti-FGFR2 hIgG1 Referece Antibody (Bemabio) (Catalog # GM-88057MAB) were added.

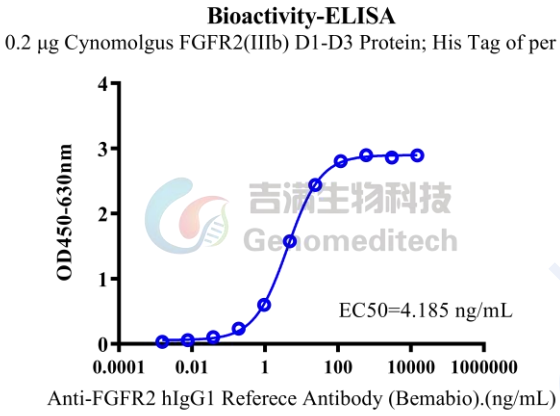


Fig. Assay

Bioactivity-ELISA

Mouse FGFR2(IIIb) D2-D3 Protein; His Tag (Catalog # GM-88191RP) was immobilized at 2 μg/ml (100 μL/well). Increasing concentrations of Anti-FGFR2 hIgG1 Referece Antibody (Bemabio) (Catalog # GM-88057MAB) were added.

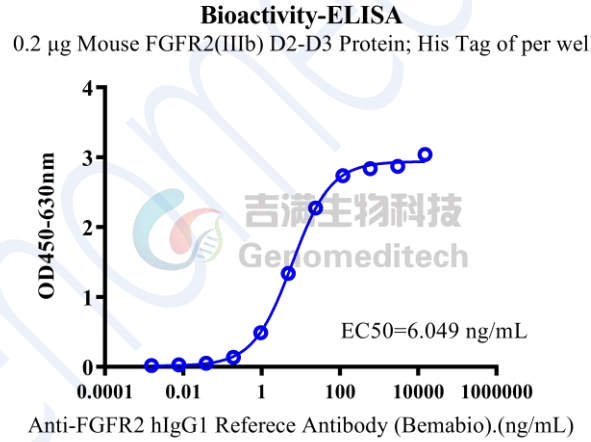


Fig. Assay

Bioactivity-ELISA	Human FGFR2(IIIb) D1-D3 Protein; hFc Tag (Catalog # GM-88187RP) was immobilized at 10 μg/ml (100 μL/well). Increasing concentrations of Anti-FGFR2 hIgG1 Referece Antibody (Bemabio) (Catalog # GM-88057MAB) were added.

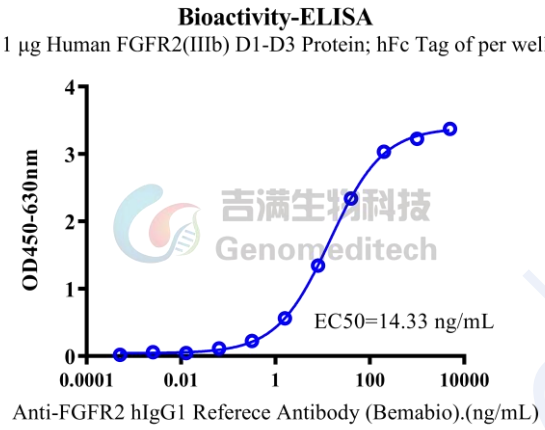


Fig. Assay