Datasheet for ABIN7274648

FGFR2 alpha (AA 22-378) protein (His tag)

5 Images

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Overview

Quantity:	100 µg
Target:	FGFR2 alpha
Protein Characteristics:	AA 22-378
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Human FGFR2 alpha (IIIb) Protein
Sequence:	Arg22-Glu378
Characteristics:	Recombinant Human FGFR2 alpha (IIIb) Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Arg22-Glu378.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human FGFR2 alpha (IIIb) , His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-FGFR2 alpha (IIIb) Antibody, hFc Tag with the EC50 of 10.4ng/ml determined by ELISA. See testing image for detail.

Target Details

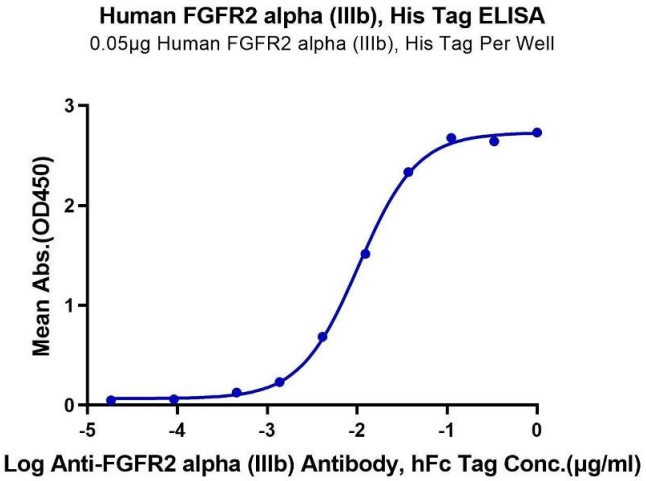
Target:	FGFR2 alpha
Background:	Four distinct genes encoding closely related FGF receptors, FGF R1 - 4, are known. All four genes for FGF Rs encode proteins with an N-terminal signal peptide, three immunoglobulin (Ig)-like domains, an acid-box region containing a run of acidic residues between the IgI and IgII domains, a transmembrane domain and the split tyrosine-kinase domain. Multiple forms of FGF R1 - 3 are generated by alternative splicing of the mRNAs. A frequent splicing event involving FGF R1 and 2 results in receptors containing all three Ig domains, referred to as the alpha isoform, or only IgII and IgIII, referred to as the beta isoform.
Molecular Weight:	40.7 kDa. Due to glycosylation, the protein migrates to 60-80 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only

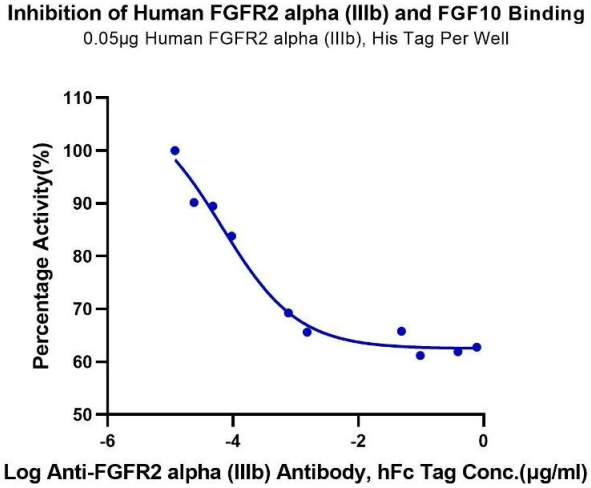
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



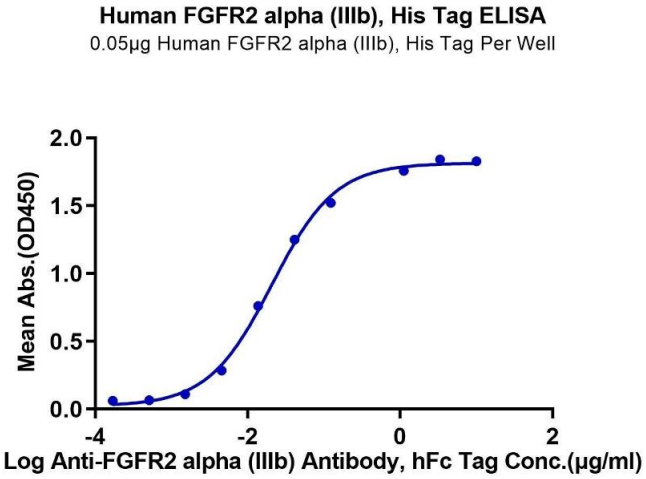
ELISA

Image 1. Immobilized Human FGFR2 alpha (IIIb) , His Tag at 0.5 μg/mL (100 μL/Well) on the plate. Dose response curve for Anti-FGFR2 alpha (IIIb) Antibody, hFc Tag with the EC50 of 10.4 ng/mL determined by ELISA.



Binding Studies

Image 2. Serial dilutions of Anti-FGFR2 alpha (IIIb) Antibody were added into Human FGFR2 alpha (IIIb), His Tag : Biotinylated Human FGF10, No Tag binding reactioins.



ELISA

Image 3. Immobilized Human FGFR2 alpha (IIIb), His Tag at 0.5 μg/mL (100 μL/Well) on the plate. Dose response curve for Anti-FGFR2 (IIIb) Antibody, hFc Tag with the EC50 of 20.8 ng/mL determined by ELISA.

Please check the product details page for more images. Overall 5 images are available for ABIN7274648.