Product Name: FGFR1 Mouse Monoclonal Antibody
Catalog #: AMM80752
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	ELISA,FC
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	92kDa

Antigen Information

Gene Name	FGFR1
Alternative Names	CEK; FLG; OGD; FLT2; KAL2; BFGFR; CD331; FGFBR; HBGFR
Gene ID	2260.0
SwissProt ID	P11362
Immunogen	Purified recombinant extracellular fragment of human FGFR1 (aa22-376) fused with hIgGFc tag expressed in HEK293 cells.

Background

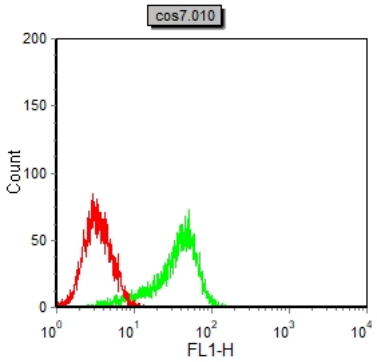
Fibroblast growth factor receptor 1 (FGFR1), also known as basic fibroblast growth factor receptor 1, fms-related tyrosine kinase-2 / Pfeiffer syndrome, and CD331, is a receptor tyrosine kinase whose ligands are specific members of the fibroblast

growth factor family. FGFR1 has been shown to be associated with Pfeiffer syndrome. It 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 consists 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. This particular family member binds both acidic and basic fibroblast growth factors and is involved in limb induction.

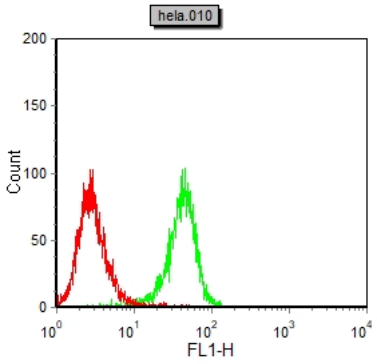
Research Area

TGF-beta signaling pathway,PI3K-Akt signaling pathway,MAPK signaling pathway,Hippo signaling pathway

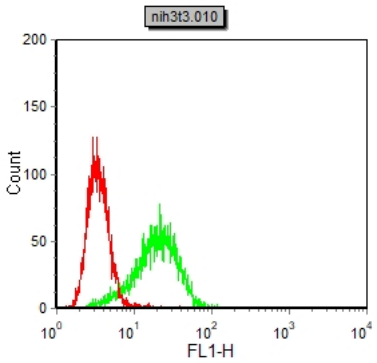
Image Data



Flow cytometric analysis of COS7 cells using FGFR1 mouse mAb (green) and negative control (red).



Flow cytometric analysis of hela cells using FGFR1 mouse mAb (green) and negative control (red).



Flow cytometric analysis of NIH3T3 cells using FGFR1 mouse mAb (green) and negative control (red).