



## FGFR4 Mouse Monoclonal Antibody

E10-20328

**Background:** FGFR4: fibroblast growth factor receptor 4. Entrez Protein NP\_002002. It is a member of the fibroblast growth factor receptor 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. The genomic organization of this gene, compared to members 1-3, encompasses 18 exons rather than 19 or 20. Although alternative splicing has been observed, there is no evidence that the C-terminal half of the IgIII domain of this protein varies between three alternate forms, as indicated for members 1-3.

**Catalog Number:** E10-20328

**Amount:** 100µg/100µl

**Clone Number:** 7H1

**Species:** Mouse IgG1

**MW:** 87.9kDa

**Aliases:** TKF; JTK2; CD334

**Entrez Gene:** 2264

**Immunogen:** Purified recombinant extracellular fragment of human FGFR4 fused with hlgGFc tag expressed in HEK293 cell line.

**Storage:** Store at 4 °C for long term storage, store at -20 °C

**Formulation:** Ascitic fluid containing 0.03% sodium azide.

**Species Reactivities:** Human

**Tested Applications:** WB IF, ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

**Application notes:** WB: 1/500 - 1/2000. IF: 1/200 - 1/1000. ELISA: Propose dilution 1/10000.

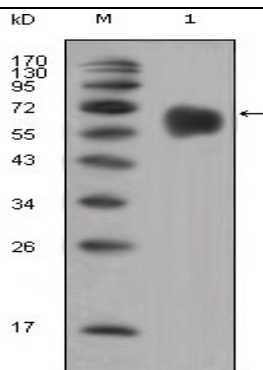


Figure 1: Western blot analysis using FGFR4 mouse mAb against extracellular domain of human FGFR4 (aa22-369).

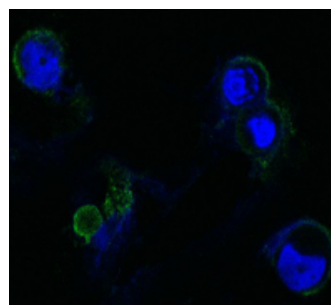


Figure 2: Confocal immunofluorescence analysis of methanol-fixed HEK293 cells transfected with FGFR4-hlgGFc using FGFR4 mouse mAb (green), showing membrane localization. Blue: DRAQ5 fluorescent DNA dye.

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