



**Category: Monoclonal Antibodies Cat. #: MAB-606020328**

**Product Name: Mouse Monoclonal Antibody to FGFR4**

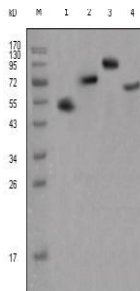
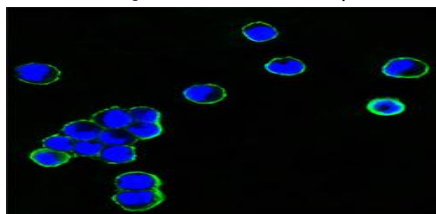


Figure 1: Western blot analysis using human IgG (Fc specific) mouse mAb against different fusion proteins with human IgG(Fc specific) tag.

Figure 2: Confocal immunofluorescence analysis of HEK293 cells transfected with recombinant plasmid with human IgG Fc tag using human IgGFc mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



**Lot#:**

**Clone#:** 7H1

**Host and isotype:** Mouse IgG1

**Size:** 0.1ml

**MW:** 87.9kDa

**Aliases:** TKF; JTK2; CD334

**Entrez Gene:** 2264 Species

**reactivity:** Human

### Description

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. This particular family member preferentially binds acidic fibroblast growth factor and, although its specific function is unknown, it is overexpressed in gynecological tumor samples, suggesting a role in breast and ovarian tumorigenesis.

### Immunogen

Purified recombinant extracellular fragment of human FGFR4 fused with hIgGFc tag expressed in HEK293 cell line.

### Application

Western Blotting: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: Propose dilution 1/10000. Not yet tested in other applications. Determining optimal working dilutions by titration test.

### Formulation

Ascitic fluid containing 0.03% sodium azide.

### Storage

Store at 4°C, for long term storage, store at -20°C.

### Related product

### References

1. Br J Cancer. 2006 Jun 19;94(12):1879-86.
2. Diabetes. 2007 Oct;56(10):2501-10.

**For Research Use Only**

**Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: Info@antageneinc.com**