

## Mouse Monoclonal Antibody to FGFR4

Catalogue Number	sAP-0118
Target Molecule	<b>Name:</b> FGFR4 <b>Aliases:</b> TKF; JTK2; CD334; MGC20292 <b>MW:</b> 88kDa
Description	<b>Entrez Gene ID: 2264</b> FGFR4 (fibroblast growth factor receptor 4) is part of a family of fibroblast growth factor receptors that mediate the biological functions of specific growth factors. There are four members of the FGF receptor family: FGFR-1 (flg), FGFR-2 (bek, KGFR), FGFR-3 and FGFR-4. Each receptor contains an extracellular ligand binding domain, a transmembrane domain and a cytoplasmic kinase domain. Following ligand binding and dimerization, the receptors are phosphorylated at specific tyrosine residues. These receptor proteins play a role in important processes such as cell division, regulating cell growth and maturation, formation of blood vessels, wound healing, and embryo development. Although specific functions of FGFR4 remain unclear, studies indicate that the gene is involved in muscle development and the maturation of bone cells in the
Immunogen	Purified recombinant fragment of FGFR4 expressed in E. Coli.
Recitative Species	Human
Clone	MM4H2B10B2;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Cell Metab. 2005, Oct, 2(4): 209-10. ; 2. Mol Endocrinol. 2006, Nov, 20(11): 2965-75. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**