

**MOUSE ANTI-FIBROBLAST GROWTH FACTOR RECEPTOR (FGF-R)
MONOCLONAL ANTIBODY**

CATALOG NUMBER:	MAB125	LOT NUMBER:	
QUANTITY:	100 µg	CONCENTRATION:	0.78 mg/mL
ALTERNATE NAMES:	FGF-R		
CLONE NAME:	VBS1	HOST/ISOTYPE:	Ms IgM
SPECIFICITY:	Fibroblast Growth Factor Receptor, flg gene product. Also cross-reacts with the bek gene product to a lesser degree. MAB125 appears to react with a protein epitope rather than a carbohydrate receptor epitope. MAB125 is blocking (inhibits the binding of FGF to the FGF receptor.)		
APPLICATIONS:	Immunohistochemistry (frozen, acetone fixed tissue or formalin fixed, paraffin-embedded issue): 1:100-1:2000. No enzyme digestion is necessary for paraffin-embedded tissue. Western blot: 1:250-1:500 ELISA Immunoprecipitation: 5µg/500 µL cell lysate 250-500µg/ml total protein in 0.5% triton X-100 lysis buffer with inhibitors. Functional blocking of bFGF receptor: Kd of 152pM (Venkateswaran, S. et al. 1992). 1:1000-1:5000 dilution is suggested as a practical starting point. Optimal working dilution must be determined by the end user.		
SPECIES REACTIVITY:	Reacts with Bovine, Chicken, Human, Mouse and Rat. Reactivity with other species has not been determined.		
IMMUNOGEN:	FGF Receptor purified from bovine coronary venular endothelial cells.		
PRESENTATION:	Purified immunoglobulin, in 0.015 M potassium phosphate buffer containing 0.15 M NaCl, 0.1% sodium azide, pH 7.20.		
STORAGE/HANDLING:	Store at 2 to 8°C, for up to 6 months. For prolonged periods, store below -20°C in undiluted aliquots. AVOID REPEATED FREEZE/THAW CYCLES.		
REFERENCES:	Ispgai, C et al (2001). Plasminogen Activator Inhibitor-1 promotes angiogenesis by stimulating endothelial cell migration toward fibronectin. <i>Cancer Res</i> 61:5587-5594. Zochodne, DW and Cheng, C. (2000). Neurotrophins and other growth factors in the regenerative milieu of proximal nerve stump tips. <i>J. Anat</i> 196:279-283. Bryckaert, M. et al. (2000). Regulation of proliferation-survival decisions is controlled by FGF1 secretion in retinal pigmented epithelial cells. <i>Oncogene</i> 19:4917-29.		

Akimoto, S., et. Al. (1999). Euro. Jour. Dermatol. 9(5):357-62.

Floege, J et al. (1999). Localization of fibroblast growth factor-2 (basic FGF) and FGF receptor-1 in adult human kidney. Kidney International 56(3):883-.

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Guillonneau, X et al. (1998). Endogenous FGF1-induced Activation and Synthesis of Extracellular Signal-regulated Kinase 2 Reduce Cell Apoptosis in Retinal-pigmented Epithelial Cells. J Biol. Chem 273(35):22367-22373.

Han, I. et al. (1993). Basic fibroblast growth factor is a testicular germ cell product which may regulate Sertoli cell function. Molecular Endocrinology 7:889-897.

Venkateswaran, S et al. (1992). Production of anti-fibroblast growth factor receptor monoclonal antibodies by in vitro immunization. Hybridoma 11:729-739.

For research use only; not for use as a diagnostic.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*