

Mouse Anti-FGF2 Monoclonal Antibody

Cat. No. DMABT-H18565 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse Anti-FGF2 Monoclonal Antibody
Species	Human
Source	Mouse
Antigen Description	Fibroblast growth factor-basic (FGF-b, FGF-2) is a heparin-binding growth factor which stimulates the proliferation of a wide variety of cells including mesenchymal, neuroectodermal and endothelial cells. FGF-basic also exerts a potent angiogenic activity in vivo. FGF-basic has been isolated from neural, pituitary, adrenal cortex, and placental tissues. TheKLGc-2antibody reacts with human fibroblast growth factor - basic (FGF-basic).
Target	FGF2
Immunogen	Recombinant human bFGF
Isotype	IgG1, kappa
species	Human
Clone	KLGc-2
Conjugation	N/A

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Applications	ELISA
Preparation	The antibody was purified by affinity chromatography.
Usage recommendation	Each lot of this antibody is quality control tested by ELISA assay. For ELISA capture applications, a concentration range of 4-8 µg/ml is recommended. To obtain a linear standard curve, serial dilutions of human FGF-basic protein ranging from 4000 to 30 pg/ml are recommended for each ELISA plate. It is recommended that the reagent be titrated for optimal performance for each application.
Concentration	0.5 mg/ml
Storage	The antibody solution should be stored undiluted at 4 °C.
Size	50 µg;500 µg

GENE INFORMATION

Gene Name	FGF2 fibroblast growth factor 2 (basic) [Homo sapiens]
Official Symbol	FGF2
Synonyms	FGF2; fibroblast growth factor 2 (basic); FGFB; fibroblast growth factor 2; prostatropin; heparin-binding growth factor 2; basic fibroblast growth factor bFGF; BFGF; FGF-2; HBGF-2;
Gene ID	2247
mRNA Refseq	NM_002006
Protein Refseq	NP_001997

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MIM	134920
UniProt ID	P09038
Chromosome Location	4q26
Pathway	Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Downstream signaling of activated FGFR, organism-specific biosystem; Endochondral Ossification, organism-specific biosystem; FGFR ligand binding and activation, organism-specific biosystem; FGFR1 ligand binding and activation, organism-specific biosystem; FGFR1b ligand binding and activation, organism-specific biosystem; FGFR1c ligand binding and activation, organism-specific biosystem;
Function	chemoattractant activity; cytokine activity; fibroblast growth factor binding; fibroblast growth factor receptor binding; growth factor activity; heparin binding; ligand-dependent nuclear receptor transcription coactivator activity; protein binding; protein tyrosine kinase activity; voltage-gated calcium channel activity;