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Product datasheet for SM1286P

FGF2 Mouse Monoclonal Antibody [Clone ID: MC-GF1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MC-GF1
Applications:	ELISA, IHC, WB
Recommended Dilution:	Immunohistochemistry on frozen and paraffin embedded sectionssections. ELISA. Western blotting.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant human bFGF
Specificity:	This antibody recognises basic fibroblast growth factor (bFGF). The antibody binds strongly to bFGF attached to proteoglycans, but is competitively displaced by heparin. Not suitable for detecting bFGF bound to cell surface receptors.
Formulation:	PBS containing 0.09% sodium azide State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Protein G chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	fibroblast growth factor 2
Database Link:	Entrez Gene 2247 Human P09038

View online »

Background: FGF basic (FGF2) is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. FGF2 is involved in diverse biological processes, such as limb and nervous system development, wound healing, and tumor growth. FGF2 mRNA contains multiple polyadenylation sites, and is alternatively translated from AUG and non-AUG (CUG) initiation codons resulting in five different isoforms with distinct properties. The CUG-initiated isoforms are localized in the nucleus and are responsible for the intracrine effect, whereas, the AUG-initiated form is mostly cytosolic and is responsible for the paracrine and autocrine effects of this FGF.

Synonyms: FGFB, Heparin-binding growth factor 2, Fibroblast growth factor 2 (basic), BFGF, HBGF-2, HBGF2