

Product datasheet for TA700586

FGF2 Biotinylated Mouse Monoclonal Detection Antibody (Biotin conjugated) [Clone ID: OTI3D9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3D9
Applications:	ELISA
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant protein (10-155aa)
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5mg/ml
Purification:	Purified from mouse ascites fluids by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
Predicted Protein Size:	30.6 kDa
Gene Name:	fibroblast growth factor 2
Database Link:	NP_001997 Entrez Gene 14173 Mouse Entrez Gene 54250 Rat Entrez Gene 2247 Human P09038



Background:

The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. This protein has been implicated in diverse biological processes, such as limb and nervous system development, wound healing, and tumor growth. The mRNA for this gene contains multiple polyadenylation sites, and is alternatively translated from non-AUG (CUG) and AUG 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:

BFGF; FGF-2; FGFB; HBGF-2

Matched ELISA Pair:

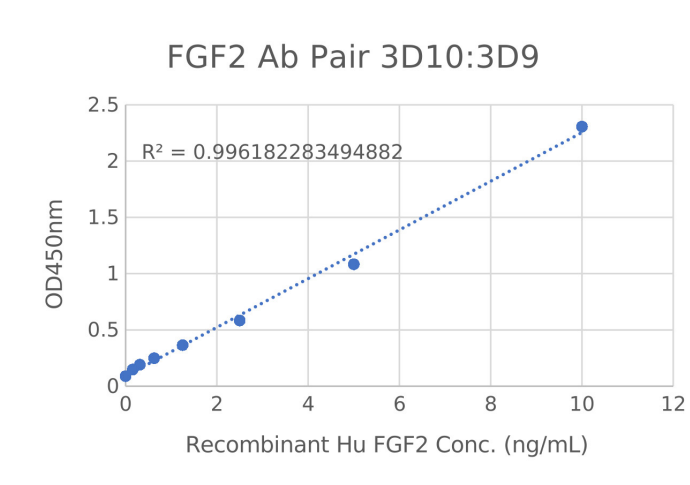
TA600586

Protein Families:

Druggable Genome, Secreted Protein

Protein Pathways:

MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton

Product images:

FGF2 ELISA with 3D10 Capture ([TA600586]) and 3D9 Detection (TA700586) Antibodies. Target protein used: Human FGF2 (E. coli expressed protein Cat# [TP750002])