

# NEUROMICS

## FGF2



## Data Sheet

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<b>Catalog Number:</b>	MO27001	<b>Host:</b>	Mouse
<b>Product Type:</b>	Ion exchange purified IgM. Clone: NYR-hFGF-b.	<b>Species Reactivity:</b>	Human
<b>Immunogen Sequence:</b>	Human FGF	<b>Format:</b>	Lyophilized
<b>Applications:</b>	DirectELISA* Western Blot* Immunoprecipitation*		
	*Dilutions listed only as a recommendation. Optimal dilution should be determined by investigator.		
<b>Reconstitution:</b>	Reconstitute with sterile H <sub>2</sub> O. Mix gently, wash the sides of the vial and wait 30-60 seconds before use.		
<b>Storage:</b>	In lyophilized form, for long periods, store at 4°C in a dry environment. After reconstitution, if not intended for use within a month, aliquot and store at -20°C.		

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### Application Notes

**Titer:**

By direct ELISA, 1:10,000 dilution will yield 0.8 O.D using alkaline phosphatase conjugated rabbit anti-mouse Ig (Jackson Laboratories).

**Description/Data:**

Basic fibroblast growth factor is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis. Three alternatively spliced variants encoding different isoforms have been described. The heparin-binding growth factors are angiogenic agents in vivo and are potent mitogens for a variety of cell types in vitro. There are differences in the tissue distribution and concentration of these 2 growth factors.

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