

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FGF basic/FGF2/bFGF in direct ELISA
Source	Monoclonal Mouse IgG _{2A} Clone # 10044
Purification	Protein A or G purified from cell culture supernatant
Immunogen	<i>E. coli</i> -derived human FGF basic/FGF2/bFGF Accession # P09038
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Immunocytochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

FGF basic, also known as FGF-2 and HBGF-2, is a member of the FGF family of mitogenic proteins. FGF basic is widely expressed and affects diverse aspects of embryonic development by regulating cell proliferation, differentiation, and survival. Various N-terminal extensions affect localization of FGF basic in cellular compartments but do not affect biological activity. Binding of FGF to heparin or cell surface heparan sulfate proteoglycans is necessary for binding of FGF to high affinity FGF receptors. Mature human FGF basic shares greater than 96% aa sequence identity with bovine, mouse, and rat FGF basic.

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