

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FGF-17 in direct ELISAs and Western blots. In direct ELISA, approximately 7% cross-reactivity with recombinant human (rh) FGF-5 is observed and no cross-reactivity with rhFGF-acidic, rhFGF-basic, rhFGF-4, rhFGF-6, rhFGF-7, rhF
Source	Monoclonal Mouse IgG _{2B} Clone # 121630
Purification	Protein A or G purified from ascites
Immunogen	<i>E. coli</i> -derived recombinant human FGF-17 Thr23-Thr216 Accession # O60258
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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	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

Fibroblast growth factors (FGFs) play multiple biological functions including angiogenesis, mitogenesis, cellular differentiation and wound repairing. All members of the FGF family have a conserved approximately 120 amino acid core with 30-70% identity. Among FGF family members, FGF-17 is most similar to FGF-8 (60% sequence identity) and FGF-18 (50% sequence identity). The mRNA of FGF-17 was found in midgestation of embryo and multiple adult tissues, and is preferentially expressed in specific sites, such as embryonic brain, developing skeleton and arteries. Human FGF-17 shares 98.6% amino acid (aa) sequence identity with mouse FGF-17. Rat FGF-17 shares 100% aa sequence identity with mouse FGF-17.

PRODUCT SPECIFIC NOTICES

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