

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | 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                            |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>2B</sub> Clone # 121630                                                                                                                                                                                                                           |
| <b>Purification</b>       | Protein A or G purified from ascites                                                                                                                                                                                                                                        |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human FGF-17<br>Thr23-Thr216<br>Accession # O60258                                                                                                                                                                                      |
| <b>Conjugate</b>          | Alexa Fluor 700<br>Excitation Wavelength: 675-700 nm<br>Emission Wavelength: 723 nm                                                                                                                                                                                         |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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.

|                             |                                                                        |
|-----------------------------|------------------------------------------------------------------------|
| <b>Western Blot</b>         | Optimal dilution of this antibody should be experimentally determined. |
| <b>Immunohistochemistry</b> | Optimal dilution of this antibody should be experimentally determined. |

## PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | 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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