# Mouse anti-Human FGF23 (Fibroblast Growth Factor 23) Monoclonal Antibody | anti-FGF23 antibody

FGF23 (Fibroblast Growth Factor 23) Mouse Monoclonal Antibody [Clone FGF23/4174]

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA215998** | **Mouse** | **Human** | **Immunohistochemistry** |

## PRODUCT SYNONYMS

FGF23 (Fibroblast Growth Factor 23); Monoclonal Antibody; FGF23 (Fibroblast Growth Factor 23) Mouse Monoclonal Antibody [Clone FGF23/4174]; ADHR; FGF-23; FGFN; Fibroblast growth factor 23; HPDR2; HYPF; Phosphatonin; PHPTC; Tumor-derived hypophosphatemia-inducing factor; anti-FGF23 antibody

## PRODUCT SPECIFICATIONS

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| **Host** | Mouse |
| **Reactivity** | Human |
| **Clonality** | Monoclonal |
| **Isotype** | Mouse/IgG2b, kappa |
| **Clone Number** | FGF23/4174 |
| **Form/Format** | 1.0mg/ml of Ab purified from Bioreactor Concentrate by Protein A/G. |
| **Concentration** | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot) |
| **Applicable Applications for anti-FGF23 antibody** | IHC (Immunohistochemistry) |
| **Immunogen** | Recombinant fragment (around aa100-225) of human FGF23 protein (exact sequence is proprietary) |
| **Cellular Localization** | Secreted (extracellular) |
| **Positive Control** | Human kidney tissue. |
| **Hu-chromosome Location** | 12p13.32 |
| **Unigene** | 287370 |
| **Preparation and Storage** | Antibody without azide: store at -20°C to -80°C. Non-hazardous. No MSDS required. |

## IMAGES

**Application Data**
Analysis of Protein Array containing more than 19,000 full-length human proteins using FGF23-Monospecific Mouse Monoclonal Antibody (FGF23/4174). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

**IHC (Immunohistochemistry)**
IHC analysis of formalin-fixed, paraffin-embedded human kidney stained using FGF23/4174 at 2ug/ml in PBS for 30min RT. Inset: PBS instead of primary antibody; secondary only negative control.

**SDS-PAGE**
SDS-PAGE Analysis Purified FGF23-Monospecific Mouse Monoclonal Antibody (FGF23/4174). Confirmation of Purity and Integrity of Antibody.

## ADDITIONAL INFORMATION

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| **Related Product Information for anti-FGF23 antibody** | Fibroblast growth factor-1 (FGF-1), also designated acidic FGF, and fibroblast growth factor-2 (FGF-2), also designated basic FGF, are members of a family of growth factors that stimulate proliferation of cells of mesenchymal, epithelial and neuroectodermal origin. Additional members of the FGF family include the oncogenes FGF-3 (Int2) and FGF-4 (hst/Kaposi), FGF-5, FGF-6, FGF-7 (KGF), FGF-8 (AIGF), FGF-9 (GAF) and FGF-10 through FGF-23. Members of the FGF family share 30-55% amino acid sequence identity and similar gene structure, and are capable of transforming cultured cells when overexpressed in transfected cells. Cellular receptors for FGFs are members of a second multigene family, including four tyrosine kinases designated Flg (FGFR-1), Bek (FGFR-L), TKF and FGFR-3. |

## NCBI AND UNIPROT INFORMATION

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| **NCBI GI #** | 10190674 |
| **NCBI GeneID** | 8074 |
| **NCBI Accession #** | NP_065689.1 |
| **NCBI GenBank Nucleotide #** | NM_020638.2 |
| **UniProt Accession #** | Q9GZV9; Q4V758 |
| **Molecular Weight** | 12-32kDa |
| **NCBI Official Full Name** | fibroblast growth factor 23 |
| **NCBI Official Synonym Full Names** | fibroblast growth factor 23 |
| **NCBI Official Symbol** | FGF23 |
| **NCBI Official Synonym Symbols** | ADHR; FGFN; HYPF; HPDR2; PHPTC |
| **NCBI Protein Information** | fibroblast growth factor 23; phosphatonin; tumor-derived hypophosphatemia inducing factor |
| **UniProt Protein Name** | Fibroblast growth factor 23 |

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| **UniProt Gene Name** | **FGF23** |
| **UniProt Synonym Gene Names** | HYPF; FGF-23 |
| **UniProt Entry Name** | FGF23_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

**AAA Biotech** | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/fgf23-fibroblast-growth-factor-23-antibody-clone-fgf23-4174-immunohistochemistry-elisa/215998