

PRODUCT DATA SHEET

Fibroblast Growth Factor 23 Human, Rabbit Polyclonal Antibody

Cat. No.: RD181109100-01

Size: 0.1 mg

Source of Antigen: E. coli

Type: Polyclonal Antibody

Host: Rabbit

Other Names:

Phosphatonin, Tumor-derived hypophosphatemia-inducing factor, FGF23, HYPF, UNQ3027/PRO9828

Preparation:

The antibody was raised in rabbits by immunization with the recombinant Human FGF-23.

Amino Acid Sequence of Immunogen:

The immunization antigen (27 kDa) is a protein containing 227 AA of recombinant Human FGF-23 and 16 additional amino acid residues – HisTag.

MRGSHHHHHH GMASHMYPNA SPLLGSSWGG LIHLYTATAR NSYHLQIHKH GHVDGAPHQT
IYSALMIRSE DAGFVVITGV MSRRYLCMDF RGNIFGSHYF DPENCRFQHQ TLENGYDVYH
SPQYHFLVSL GRAKRAFLPG MNPPPYSQFL SRRNEIPLIH FNTPIPRRHT RSAEDDSEED
PLNVLKPRAR MTPAPASCSSQ ELPSAEDNSP MASDPLGVVR GGRVNTHAGG TGPEGCRPFA KFI

Purification Method:

Immunoaffinity chromatography on a column with immobilized **recombinant Human FGF-23 C-terminal peptide**.

Species Reactivity:

Human. Not yet tested in other species.

Antibody Content:

0.1 mg (determined by BCA method, BSA was used as a standard)

Formulation:

The antibody is lyophilized in 0.05 M phosphate buffer, 0.1 M NaCl, pH 7.2.

Reconstitution:

Add 0.2 ml of deionized water and let the lyophilized pellet dissolve completely. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.

Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:

The lyophilized antibody remains stable and fully active until the expiry date when stored at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at -80°C. Reconstituted antibody can be stored at 4°C for a limited period of time; it does not show decline in activity after one week at 4°C.

Quality Control:

Indirect ELISA – to determine titer of the antibody

SDS PAGE – to determine purity of the antibody

BCA - to determine quantity of the antibody

Applications:

Western blotting

Note:

This product is for research use only.