Fetuin-B Human (HEK), Rabbit Polyclonal Antibody

Product Data Sheet

**Source of Antigen:** HEK293  
**Host:** Rabbit  
**Cat. No.:** RD181172100 (0.1 mg)

**Other names:** 16G2, Fetuin-like protein IRL685, Gugu, FETUB

**Research topic**  
Bone and cartilage metabolism, Energy metabolism and body weight regulation, Immune Response, Infection and Inflammation, Oncology, Others

**Preparation**  
The antibody was raised in rabbits by immunization with the recombinant Human Fetuin-B.

**Amino Acid Sequence**  
MW: 41.8 kDa (calculated), migrates at ~ 55 kDa on SDS-PAGE; N-terminal linker (4 extra AA highlighted), C-terminal His-tag (6 extra AA highlighted).

```
HSHV CGAMSP PQLALNPSAL LSRGCNDSDV LAVAGFALRD INKRDGDGYV LRLNRVNDAO EYRGGGLGSL FYLTLTDVLET
DCHVLRRKAW QCQGRIFTE SVYQQCAIIF YMNNSRVLY LAAYNCLLRP VSKKIIYMTI PDCPSSIPTD SSNRQVLEAA
TESLAKYNNHE NTSQYSLFK VTRASSQVVV GPSYFVEYLI KESPCTKSQA SCSCLQSSDS VPVGLCRGSL TRTHWEKFVST
VTCDFFESQQA PATGSSENSAV NQKPTNPKV EESQQKNTFP TDSFKAGFP GSVHQLPDL TDKNSQEGQP EAFVHLDDL
TNPQGETLDD SLFLLEPMEE KLVLPPFPKE KARTAECGPQ AQANASFLVL F HHHHHH
```

**Species Reactivity**  
Human  
Not yet tested in other species.

**Purification Method**  
Immunoadfinity chromatography on a column with immobilized recombinant Human Fetuin-B.

**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. **AZIDE FREE.**

**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.

**Expiration**  
See vial label.

**Lot Number**  
See vial label.
Quality Control Test
Indirect ELISA - to determine titer of the antibody
SDS PAGE - to determine purity of the antibody

Applications
ELISA, Immunohistochemistry, Western blotting

Antibodies application

Introduction to the Molecule
Fetuin B is a member of cystatin superfamily proteins, comprises two cystatin domains. It was found in secreted form in serum, it is expressed in liver, tongue and placenta. It regulates osteogenesis by inhibition effect on mineralization. It plays a role in oocyte maturation.

Note
This product is for research use only.