

## **Anti basic FGF (Human) Serum**

Cat. No. Y250

Lot No. 61271130

**Description:** This antiserum was raised in a rabbit by immunization with a bovine serum albumin (BSA) conjugate of recombinant basic FGF (human) protein. The product vial contains 50  $\mu$ L of the titled antiserum obtained by lyophilizing its 0.001 M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoassay, immunohistochemistry or any other immunoreaction with basic FGF (human).

**Immunogen:** Recombinant basic FGF (human)-BSA conjugate

**Host:** Rabbit

### **Amino Acid Sequence of basic FGF (human)<sup>1)</sup>:**

PALPEDGGSG AFPPGHFKDP KRLYCKNGGF FLRIHPDGRV DGVREKSDPH  
I KLQLQAEER GVVSIGVCA NRYLAMKEDG RLLASKCVTD ECVFFERLES  
NNYNTYRSRK YTSWYVALKR TGQYKLGSKT GPGQKA ILFL PMSAKS

(The S-S bonds within the sequence were not described)

**Product Form:** Lyophilized unpurified serum

**Size:** 50  $\mu$ L

**Reconstitution:** Reconstitute the product with 0.5mL of 0.01M PBS (pH 7.0) to make a 10 fold diluted stock solution. If it is stored in a refrigerator, add moderate antiseptic to the solution (e.g. NaN<sub>3</sub> 0.1%).

**Storage:** The product will be stable for over one year if it be stored at -20°C to -80°C until opened. Upon reconstitution, the antiserum solution must be stored at 2°C to 8°C and used within one month. Repeated freezing-thawing should be avoided.

**Suggested Working Dilution Range:** 1:3,500 (final dilution ~1:17,500) for radioimmunoassay; 1: 500-2,000 for immunohistochemistry (frozen section). Optimal dilution should be determined by each laboratory for each application.

**Specificity** (based on radioimmunoassay): basic FGF (human) 100%, basic FGF (bovine) 85%, TGF- $\alpha$  (human) 0%, IL-1  $\alpha$  (human) 0%, IL-1  $\beta$  (human) 0%, TGF- $\beta$  1 (human) 0%

**Positive Control** (immunohistochemistry): Human pituitary gland

**Species Tested:** Bovine

### **REFERENCES:**

1) J.R. Abraham, J.L. Whang, et al., Human basic fibroblast growth factor: nucleotide sequence and genomic organization. EMBO Journal 5:2523-2529, 1986

**FOR RESEARCH LABORATORY USE ONLY**

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM



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