

## **Anti TGF- $\alpha$ (Human) Serum**

**Cat. No. Y240**

**Lot No. 1371124**

**Description:** This antiserum was raised in a rabbit by immunization with a carrier free recombinant TGF- $\alpha$  (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 TGF- $\alpha$  (human).

**Immunogen:** Recombinant TGF- $\alpha$  (human), carrier free

**Host:** Rabbit

**Amino Acid Sequence of TGF- $\alpha$  (human)<sup>1)</sup>:**

VVSHFNDCPD SHTQFCFHGT CRFLVQEDKP ACVCHSGYVG ARCEHADLLA

(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:** 1:680 (final dilution ~1:5,440) for radioimmunoassay; 2,300 for ELISA; 1: 200-500 for immunohistochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each application.

**Specificity** (based on radioimmunoassay): TGF- $\alpha$  (human) 100%, EGF (human) 0%, EGF (rat) 0%

**Positive Control** (immunohistochemistry): Human tumor tissues

### **REFERENCES:**

1) R. Derynck, R.B. Roberts et al., Human transforming growth factor- $\alpha$ : precursor structure and expression in E. coli. Cell 38:287-294, 1984

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