Anti TGF-α(Human) Serum
Cat. No. YII-Y240-EX Lot No. 1371124

Description: This antiserum was raised in a rabbit by immunization with a carrier free recombinant TGF-α(hu- man) protein. The product vial contains 50 µL of the titled antiserum obtained by lyophilizing its 0.001 M phos- phate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoassay, immunohistochemistry or any other immu- noreaction with TGF-α(human).

Immunogen: Recombinant TGF-α(human), carrier free **Host:** Rabbit

Amino Acid Sequence of TGF-α(human)[1]**:**
VVSHFNDCPD SHTQFCFHGT CRFLVQEDKP ACVCHSGYVG ARCEHADLLA
(The S-S bonds within the sequence waere not described)

Product Form: Lyophilized unpurified serum **Size:** 50 µL

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. NaN3 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 recon- stitution, 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-α(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

FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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