

Anti TGF- α (Human) Serum

Cat. No. Y240

Lot No. 1371124

Description: This antiserum was raised in a rabbit by immunization with a carrier free recombinant TGF- α (human) protein. The product vial contains 50 μ 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- 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 were not described)

Product Form: Lyophilized unpurified serum

Size: 50 μ 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. 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 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)²⁾. 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
- 2) T. Onaga, Y. Shimizu et al., Localization and secretion of epidermal growth factor in the parotid gland and its intragastric kinetics in sheep. Life Sciences 79:1616-1629, 2006

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DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM


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