Anti TGF-β1(Human) Serum
Cat. No. YII-Y241-EX Lot No. 72671122

Description: This antiserum was raised in a rabbit by immunization with a bovine serum albumin (BSA) conju- gate of recombinant TGF-β1(human) protein. The product vial contains 50 µL 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, immunohis- tochemistry or any other immunoreaction with TGF-β1(human).

Immunogen: Recombinant TGF-β1(human)-BSA conjugate **Host:** Rabbit

Amino Acid Sequence of TGF-β1(human)[1]**:**
ALDTNYCFSS TEKNCCVRQL YIDFRKDLGW KWIHEPKGYH ANFCLGPCPY
IWSLDTQYSK VLALYNQHNP GASAAPCCVP QALEPLPIVY YVGRKPKVEQ
LSNMIVRSCK CS (The S-S bonds within the sequence were 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: 1:5,000 (final dilution ~1:35,000) for radioimmunoassay; 1: 200-1,000 for immunohistochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on radioimmunoassay)**:**
TGF-β1(human) 100%, EGF (human) 0%, EGF (rat) 0%

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

REFERENCES:
1) R. Derynck, J.R. Jarrett et al., Human transforming growth factor-beta complementary DNA sequence and expression in normal and transformed cells. Nature 316:701-705, 1985

FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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