TGFA
Rabbit Anti-Human TGF-alpha Affinity Purified pAb

Catalog No.	PA1252	**Quantity:**	100 µg

Alternate Names: Transforming Growth Factor-alpha, TGFA

Description: Rabbit Anti-Human TGF-alpha Affinity Purified Polyclonal Antibody.

TGF-alpha is a growth factor that is a ligand for the epidermal growth factor receptor, which activates a signaling pathway for cell proliferation, differentiation and development. It may act as either a transmembrane-bound ligand or a soluble ligand.

Gene ID: 7039

Specificity: Human TGF-alpha

Host: Rabbit

Immunogen: Highly Pure (>98%) Recombinant Human TGF-alpha

Formulation: Lyophilized from a sterile-filtered antibody solution (1 mg/ml) containing 0.5x PBS, pH 7.2.

Purification: Affinity chromatography using immobilized Human TGF-alpha matrix.

Reconstitution: **Centrifuge vial prior to opening**. Reconstitute in sterile water to a concentration of 0.1 - 1.0 mg/ml.

Applications: ELISA, Western blot, Neutralization Assays

Application Notes: **ELISA:** By direct ELISA, use 100 µl/well antibody solution at a concentration of at least 0.5 µg/ml. This antibody in conjunction with compatible secondary reagents allows the detection of 0.2 - 0.4 ng/well of recombinant human TGF-alpha.

Western Blot: By Western Blot, use at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible rabbit secondary reagents, the detection limit for recombinant human TGF-alpha is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

Neutralization: To yield one-half maximal inhibition (Neutralization Dose50) of the biological activity of human TGF-alpha (2 ng/ml), a concentration of 0.1 - 0.15 µg/ml of this antibody is required.

The optimal concentration should be determined by the user for each specific application.

Storage & Stability: Store lyophilized protein at -20°C. Reconstituted antibody is stable at 2-4°C for at least 6 wk. For long term storage, aliquot and store at -20°C to -80°C. Stable for at least 6 months at -20°C. **Avoid repeated freeze-thaw cycles.**

Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com