

Transforming Growth Factor Beta 1 (TGFb1) ELISA Kit

- Citations>76
- Cumulative IF>300

TGFb1 belongs to the TGF- β family, the highest proportion (>90%), and the most active multi-functional cell activity regulator. TGFb1 is a strong growth inhibitory factor in multicellular organisms, which can significantly inhibit the growth and proliferation of lymphocytes, hematopoietic stem cells, epithelial cells, endothelial cells, hepatocytes, keratinocytes and adipocytes, but TGFb1 can promote fibroblast proliferation, extracellular matrix protein expression, and promotion of bone matrix protein synthesis.

At present, TGFb1 is considered to be a tumor suppressor gene, and its defect in expression or activation can cause its growth inhibition to disappear, resulting in cell nausea. Clinical data indicate that TGFb1 has an important association with the development of cancers such as prostate cancer, breast cancer and rectal cancer. Therefore, accurate determination of TGFb1 content in samples is of great significance for the study of related cancers and other related diseases.

1.Cloud-Clone TGFb1 target related products

| Target | Product No. | Product Name | Species |
|--------|-------------|---|---------|
| TGFb1 | SEA124Hu | Human ELISA Kit for Transforming Growth Factor Beta 1 (TGFb1) | Human |
| | SEA124Mu | Mouse ELISA Kit for Transforming Growth Factor Beta 1 (TGFb1) | Mouse |
| | SEA124Ra | Rat ELISA Kit for Transforming Growth Factor Beta 1 (TGFb1) | Rat |
| | SEA124Po | Porcine ELISA Kit for Transforming Growth Factor Beta 1 (TGFb1) | Porcine |
| | SEA124Bo | Bovine ELISA Kit for Transforming Growth Factor Beta 1 (TGFb1) | Bovine |
| | SEA124Ca | Canine ELISA Kit for Transforming Growth Factor Beta 1 (TGFb1) | Canine |
| | SEA124Rb | Rabbit ELISA Kit for Transforming Growth Factor Beta 1 (TGFb1) | Rabbit |
| | SEA124Ga | Gallus ELISA Kit for Transforming Growth Factor Beta 1 (TGFb1) | Gallus |
| | SEA124Eq | Equine ELISA Kit for Transforming Growth Factor Beta 1 (TGFb1) | Equine |
| | SEA124Si | Simian ELISA Kit for Transforming Growth Factor Beta 1 (TGFb1) | Simian |

2.Excellent Citations of TGFb1 target related products (Excerpt)

| Product No. | Species | Journal | IF | Pubmed ID | Institute |
|-------------|---------|---|-------|-----------|---|
| SEA124Mu | Mouse | Journal of Controlled Release | 7.877 | 29196041 | Istituto di Biomedicina e Immunologia Molecolare (IBIM) |
| SEA124Hu | Human | journal of thoracic oncology | 6.595 | 27793775 | Pulmonology Department, Lung Cancer and Muscle Research Group, Hospital del Mar Medical Research Institute, Spain |
| SEA124Mu | Mouse | Journal of Neuroscience | 5.924 | 25904788 | Neuroscience Research Center of Changzheng Hospital, Second Military Medical University, Shanghai, China |
| SEA124Ra | Rat | Artificial Cells Nanomedicine and Biotechnology | 5.605 | 28608724 | Department of Respiratory Medicine, Qilu Hospital of Shandong University, Jinan, China |
| SEA124Mu | Mouse | Cardiovascular Research | 5.465 | 20200042 | Institute of Vascular Medicine, Peking University Third Hospital, Beijing, China |
| SEA124Hu | Human | Oncotarget | 5.168 | 29245941 | The Sixth Department of Medical Oncology, Harbin Medical University Cancer Hospital, Harbin, China |
| SEA124Ra | Rat | Cellular physiology and biochemistry | 5.104 | 27889753 | Department of Cardiology, The First Affiliated Hospital of Nanjing Medical University, Nanjing, P.R. China |

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|----------|--------|--|-------|--------------------|--|
| SEA124Mu | Mouse | Cellular physiology and biochemistry | 5.104 | 29216639 | Department of Pharmacology, School of Pharmacy, Fourth Military Medical University, Xi' an, Shaanxi |
| SEA124Rb | Rabbit | Journal of Materials Chemistry B | 4.543 | 10.1039/C7TB00640C | National Engineering Research Center for Biomaterials, Sichuan University, 29 Wangjiang Road, Chengdu 610064, China. |
| SEA124Hu | Human | Journal of Cellular And Molecular Medicine | 4.302 | 29424488 | Department of Hepatic Biliary Pancreatic Medicine, First Hospital of Jilin University, Changchun, China |

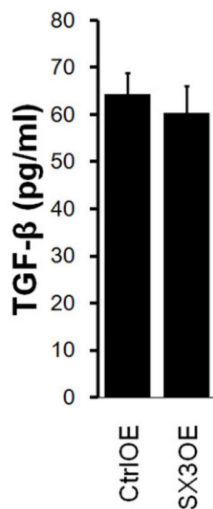


Figure. Histogram showing factors(TGF-b1) secreted by MG MSX3OE inCM detected by ELISA. (ZhongwangYu, 2015)
(Product No.: SEA124Mu
Sample type: cell supernatants)

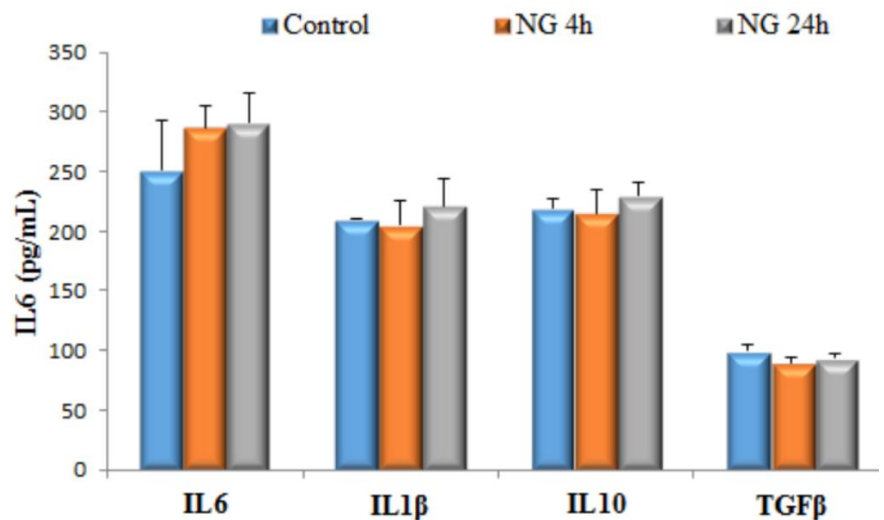


Figure. Mice were treated with NG for 4 and 24 hours and the levels of TGF β 1 analyzed. (Pasquale Picone, 2018)
(Product No.: SEA124Mu Sample type: tissue homogenate)

3.Citation statistics of TGFb1 target related products (Excerpt)

| Title | Journal | Product No. |
|---|---|-------------|
| Effect of Cardiac Resynchronization Therapy on Myocardial Fibrosis and Relevant Cytokines in a Canine Model With Experimental Heart Failure | Journal of Cardiovascular Electrophysiology | SEA124Ca |
| Lymphocytic, cytokine and transcriptomic profiles in peripheral blood of dogs with atopic dermatitis | BMC Veterinary Research | SEA124Ca |
| Increased circulating concentrations of PDGF-BB and TGF-β1 in canine generalised demodicosis | Revue de Médecine Vétérinaire | SEA124Ca |
| Systemic and Tumor Th1 and Th2 Inflammatory Profile and Macrophages in Lung Cancer: Influence of Underlying Chronic Respiratory Disease. | Journal of thoracic oncology | SEA124Hu |
| Tumor-associated macrophages promote tumor metastasis via the TGF-β/SOX9 axis in non-small cell lung cancer | Oncotarget | SEA124Hu |
| The immunomodulating effect of seminal plasma on T cells | Journal of Reproductive Immunology | SEA124Hu |
| A Combinatorial Relative Mass Value Evaluation of Endogenous Bioactive Proteins in Three-Dimensional Cultured Nucleus Pulposus Cells of Herniated Intervertebral Discs: Identification of Potential Target Proteins for Gene Therapeutic Approaches | PLoS One | SEA124Hu |
| Gemcitabine treatment enhanced the anti-tumor effect of cytokine induced killer cells by depletion of CD4+CD25 ^{br} regulatory T cells | Immunology Letters | SEA124Hu |
| Differential frequency of CD8 ⁺ T cell subsets in multiple sclerosis patients with various clinical patterns | PLoS One | SEA124Hu |
| Cytokine production in vitro and in rat model of colitis in response to Lactobacillus | Biomedicine & | SEA124Hu |

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| plantarum LS/07 | Pharmacotherapy | |
| Camel Milk: Potential Utility as an Adjunctive Therapy to Peg-IFN/RBV in HCV-4 Infected Patients in Egypt | Nutrition and Cancer | SEA124Hu |
| Elevated blood plasma levels of epinephrine, norepinephrine, tyrosine hydroxylase, TGFβ1, and TNFα associated with high-altitude pulmonary edema in an Indian population. | Therapeutics and Clinical Risk Management | SEA124Hu |
| Platelet-rich concentrate in serum free medium enhances osteogenic differentiation of bone marrow-derived human mesenchymal stromal cells | Peer Journal | SEA124Hu |
| Glucosamine oral administration as an adjunct to hyaluronic acid injection in treating temporomandibular joint osteoarthritis | Oral Diseases | SEA124Hu |
| Estrogen-deficient osteoporosis enhances the recruitment and activity of osteoclasts by breast cancer cells | Histol Histopathol | SEA124Hu |
| Pigment epithelium- derived factor protects human glomerular mesangial cells from diabetes via NOXO1- iNOS suppression | Molecular Medicine Reports | SEA124Hu |
| Plasma proteins as potential targets of abnormal Savda syndrome in asthma patients treated with unique Uighur prescription | Experimental and Therapeutic Medicine | SEA124Hu |
| Effect of Indole-3-carbinol and/or Metformin on Female Patients with Ulcerative Colitis (Premalignant Condition): Role of Oxidative Stress, Apoptosis and Proinflammatory Cytokines | Journal of Cancer Research and Therapeutics | SEA124Hu |
| MSX3 Switches Microglia Polarization and Protects from Inflammation-Induced Demyelination | Journal of Neuroscience | SEA124Mu |
| Metformin attenuates cardiac fibrosis by inhibiting the TGFβ1–Smad3 signalling pathway | Cardiovascular Research | SEA124Mu |
| Exendin-4 Induces Bone Marrow Stromal Cells Migration Through Bone Marrow-Derived Macrophages Polarization via PKA-STAT3 Signaling Pathway | Cellular physiology and biochemistry | SEA124Mu |
| Follistatin like-1 aggravates silica-induced mouse lung injury | Scientific Reports | SEA124Mu |
| Magnolol Attenuates Concanavalin A-induced Hepatic Fibrosis, Inhibits CD4+ T Helper 17 (Th17) Cell Differentiation and Suppresses Hepatic Stellate Cell Activation: Blockade of Smad3/Smad4 Signalling. | Basic & clinical pharmacology & toxicology | SEA124Mu |
| Recombinant Mip-PilE-FlaA dominant epitopes vaccine candidate against Legionella pneumophila. | Immunology Letters | SEA124Mu |
| Oral administration of Clostridium butyricum CGMCC0313-1 inhibits β-lactoglobulin-induced intestinal anaphylaxis in a mouse model of food allergy. | Gut Pathogens | SEA124Mu |
| Therapeutic effects of bone marrow-derived mesenchymal stem cells on radiation-induced lung injury | Oncology Reports | SEA124Mu |
| Ameliorative potential of linagliptin and/or calcipotriol on bleomycin-induced lung fibrosis: In vivo and in vitro study | Environmental Toxicology and Pharmacology | SEA124Mu |
| Epigallocatechin-3-gallate reduces tubular cell apoptosis in mice with ureteral obstruction | Journal of Surgical Research | SEA124Mu |
| The protective role of vitamin D3 in a murine model of asthma via the suppression of TGF-β/Smad signaling and activation of the Nrf2/HO-1 pathway. | Molecular Medicine Reports | SEA124Mu |
| TGF-β and Physiological Root Resorption of Deciduous Teeth. | International Journal of Molecular Sciences | SEA124Po |
| The effect of feed supplementation with effective microorganisms(EM) on pro- and anti-inflammatory cytokine concentrations in pigs | Research in Veterinary Science | SEA124Po |
| Imbalance of intestinal immune function in piglets infected by porcine circovirus type 2 during the fetal period. | Acta veterinaria hungarica | SEA124Po |
| Dexamethasone reduces serum level of IL-17 in Bleomycin-A5-induced rats model of pulmonary fibrosis | Artificial Cells Nanomedicine and Biotechnology | SEA124Ra |
| Renal Denervation Attenuates Multi-Organ Fibrosis and Improves Vascular Remodeling in Rats with Transverse Aortic Constriction Induced Cardiomyopathy | Cellular physiology and biochemistry | SEA124Ra |
| Sildenafil protects against bile duct ligation induced hepatic fibrosis in rats: Potential | Toxicology and Applied | SEA124Ra |

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| role for silent information regulator 1 (SIRT1) | Pharmacology | |
| Prolactin anterior pituitary expression and circulating levels are reduced in obese and diabetic rats: Role of TGF β and TNF α | Am J Physiol Regul Integr Comp Physiol | SEA124Ra |
| The promising effect of linagliptin and/or indole-3-carbinol on experimentally-induced polycystic ovarian syndrome. | Chemico-biological Interactions | SEA124Ra |
| TGF- β 1 enhances phagocytic removal of neuron debris and neuronal survival by olfactory ensheathing cells via integrin/MFG-E8 signaling pathway | Molecular and Cellular Neuroscience | SEA124Ra |
| Multitargeted protective effect of Abacopteris penangiana against carrageenan-induced chronic prostatitis in rats. | Journal of ethnopharmacology | SEA124Ra |
| Amelioration of bleomycin-induced lung fibrosis in rats by valproic acid and butyrate: Role of nuclear factor kappa-B, proinflammatory cytokines and oxidative stress | International Immunopharmacology | SEA124Ra |
| Mesenchymal stromal cell-dependent reprogramming of Kupffer cells is mediated by TNF- α and PGE6 and is crucial for liver transplant tolerance | Immunologic Research | SEA124Ra |
| Protective effect of aplysin on liver tissue and the gut microbiota in alcohol-fed rats | PLoS One | SEA124Ra |
| Fibrogenic response of hepatic stellate cells in ovariectomised rats exposed to ketogenic diet | Journal of Physiology and Pharmacology | SEA124Ra |
| Oxymatrine attenuates CCl 4-induced hepatic fibrosis via modulation of TLR4-dependent inflammatory and TGF- β 1 signaling pathways | International Immunopharmacology | SEA124Ra |
| Crystalline Silica Promotes Rat Fibrocyte Differentiation in Vitro, and Fibrocytes Participate in Silicosis in Vivo | Biomedical and Environmental Sciences | SEA124Ra |
| The Intervention Effect of Rosiglitazone in Ovarian Fibrosis of PCOS Rats | Biomedical and Environmental Sciences | SEA124Ra |
| The effect of midkine on growth factors and oxidative status in an experimental wound model in diabetic and healthy rats | Canadian Journal of Physiology and Pharmacology | SEA124Ra |
| Cardioprotection against Heart Failure by Shenfu Injection via TGF- β /Smads Signaling Pathway | Evidence-Based Complementary and Alternative Medicine | SEA124Ra |
| Qiliqiangxin Enhances Cardiac Glucose Metabolism and Improves Diastolic Function in Spontaneously Hypertensive Rats | Evidence-based complementary and alternative medicine | SEA124Ra |
| Salvia Miltiorrhiza Bge.f.alba Ameliorates the Progression of Monocrotaline Induced Pulmonary Hypertension by Protecting Endothelial Injury in Rats | The Tohoku Journal of Experimental Medicine | SEA124Ra |
| Development of a KLD-12 polypeptide/TGF- β 1-tissue scaffold promoting the differentiation of esenchymal stem cell into nucleus pulposus-like cells for treatment of intervertebral disc degeneration | International Journal of Clinical and Experimental Pathology | SEA124Ra |
| NIM811 downreCavia (Guinea pig)lates transforming growth factor- β signal transduction in vivo and in vitro. | Molecular Medicine Reports | SEA124Ra |
| Ameliorative potential of fluoxetine/raloxifene combination on experimentally induced breast cancer | Tissue Cell | SEA124Ra |
| Extracellular Matrix Powder from Cultured Cartilage-Like Tissue as Cell Carriers for Cartilage Repair | Journal of Materials Chemistry B | SEA124Rb |
| Chronic angiotensin-(1-7) administration improves vascular remodeling after angioplasty through the regulation of the TGF- β /Smad signaling pathway in rabbits | Biochemical and Biophysical Research Communications | SEA124Rb |
| Development of a KLD-12 polypeptide/TGF- β 1-tissue scaffold promoting the differentiation of mesenchymal stem cell into nucleus pulposus-like cells for treatment of intervertebral disc degeneration. | International Journal of Clinical and Experimental Pathology | SEA124Rb |

(For more information, please visit: www.cloud-clone.com/www.uscnk.cn)

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