

# Product Datasheet

## Human TGF-beta 1 ELISA Kit (Colorimetric) NBP1-91252

Unit Size: 96 Tests

Storage of components varies. See protocol for specific instructions.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

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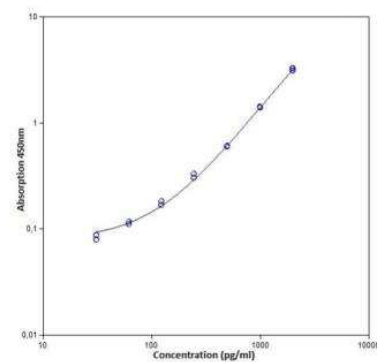


**NBP1-91252****Human TGF-beta 1 ELISA Kit (Colorimetric)**

<b>Product Information</b>	
<b>Unit Size</b>	96 Tests
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Storage of components varies. See protocol for specific instructions.
<b>Buffer</b>	
<b>Product Description</b>	
<b>Description</b>	The human TGF-beta1 ELISA is an enzyme-linked immunosorbent assay for the quantitative detection of human TGF-beta1.
<b>Gene ID</b>	7040
<b>Gene Symbol</b>	TGFB1
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	The assay detects both natural and recombinant human TGF beta 1. The cross reactivity of TGF beta 2 and TGF beta 3, and of TNF beta, IL- 8, IL-6, IL-2, TNF alpha, IL-1 beta, IL-4, IFN gamma, IL-12p70, IL-5 and IL-10 was evaluated by spiking these proteins at physiologically relevant concentrations into serum. There was no cross reactivity detected.
<b>Kit Components</b>	Aluminium pouch(es) with a Microwell Plate coated with monoclonal antibody to human TGF-beta1, Biotin-Conjugate anti-human TGF-beta1 monoclonal antibody, Streptavidin-HRP, Human TGF-beta1 Standard lyophilized, 4 ng/mL upon reconstitution, Assay Buffer Concentrate 20x (PBS with 1% Tween 20 and 10% BSA), Wash Buffer Concentrate 20x (PBS with 1% Tween 20), Substrate Solution (tetramethyl-benzidine), Stop Solution (1M Phosphoric acid), Adhesive Films
<b>Standard Curve Range</b>	31.3 - 2,000 pg/mL
<b>Sensitivity</b>	9.0 pg/mL
<b>Inter Assay</b>	CV% < 4.90%
<b>Intra Assay</b>	CV% < 3.20%
<b>Assay Type</b>	Sandwich ELISA
<b>Spiking Recovery</b>	Please see protocol for more specific Spike Recovery details.
<b>Suitable Sample Type</b>	Cell culture supernatant (w/o FCS), serum, plasma (EDTA, citrate, heparin), buffered solution
<b>Sample Volume</b>	40 uL (pretreated)
<b>Product Application Details</b>	
<b>Applications</b>	ELISA
<b>Recommended Dilutions</b>	ELISA

## Images

ELISA: TGF-beta 1 ELISA Kit [NBP1-91252] - Standard curve



## Publications

Kamal NM, Shams NS. The impact of tobacco smoking and electronic cigarette vaping on salivary biomarkers. A comparative study The Saudi Dental Journal 2022-07-01 [PMID: 35814841]

Xiao JF, Kua LF, Ding LW et al. KDM6A Depletion in Breast Epithelial Cells Leads to Reduced Sensitivity to Anticancer Agents and Increased TGF beta Activity Molecular cancer research : MCR 2022-01-12 [PMID: 35022315]



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-  
techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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