

# Product Datasheet

## Human Collagen Type I ELISA Kit (Colorimetric) NBP2-30102

Unit Size: 96 Tests

Storage is content dependent.

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



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

### Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-30102](http://www.novusbio.com/NBP2-30102)

Updated 10/23/2024 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-30102](http://www.novusbio.com/reviews/destination/NBP2-30102)



**NBP2-30102****Human Collagen Type I ELISA Kit (Colorimetric)**

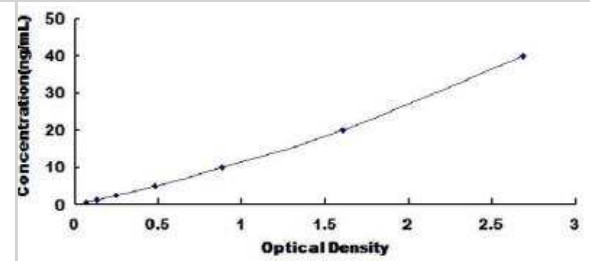
<b>Product Information</b>	
<b>Unit Size</b>	96 Tests
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Storage is content dependent.
<b>Product Description</b>	
<b>Description</b>	Collagen Type I (COL1) ELISA Kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of COL1 in human serum, plasma, tissue homogenates and other biological fluids.
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	<p>The positive control is from a human serum sample known to contain the target protein. It will provide a positive result in the ELISA assay, which indicates that the kit is optimized and working properly. The human based material used in this product is screened for HIV, Hepatitis A, B, C, HTLV and Syphilis.</p> <p>Assay Procedure Summary</p> <ol style="list-style-type: none"> <li>1. Prepare all reagents, samples and standards.</li> <li>2. Add 100ul standard or sample to each well. Incubate 1 hour at 37C.</li> <li>3. Aspirate and add 100ul prepared Detection Reagent A. Incubate 1 hour at 37C.</li> <li>4. Aspirate and wash 3 times.</li> <li>5. Add 100ul prepared Detection Reagent B. Incubate 30 minutes at 37C.</li> <li>6. Aspirate and wash 5 times.</li> <li>7. Add 90ul TMB Substrate. Incubate 10-20 minutes at 37C.</li> <li>8. Add 50ul Stop Solution. Read at 450 nm immediately.</li> </ol>
<b>Kit Components</b>	Precoated microtiter plate - 1EA, Standard - 2 vials, Standard Diluent - 20 mL, Detection Reagent A - 120 uL, Detection Reagent B - 120 uL, TMB Substrate - 9 mL, Stop Solution - 6 mL, Wash Buffer (30X) - 20 mL, Assay Diluent A - 12 mL, Assay Diluent B - 12 mL, Positive Control (lyophilized)
<b>Notes</b>	<p>The Stop Solution suggested for use with this kit is an acid solution. Wear eye, hand, face, and clothing protection when using this material.</p> <p>Dissolve with 150ul standard diluent and let stand for 10 minutes. If powder is partly insoluble, shake gently until fully dissolved. Mix gently before use. In the experiment, add 100ul to an appropriate well of the plate and test its concentration along with standards and your specimens. Note: Upon receipt store Positive Control vial at -20C. After reconstitution, store Positive Control vial at 4C and use within 5 days.</p>
<b>Standard Curve Range</b>	0.156-10 ng/mL (example only; lot dependent)
<b>Sensitivity</b>	0.059 ng/mL (example only; lot dependent)
<b>Inter Assay</b>	%CV < 12 (example only; lot dependent)
<b>Intra Assay</b>	%CV < 10 (example only; lot dependent)
<b>Assay Type</b>	Sandwich ELISA
<b>Suitable Sample Type</b>	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. (example only; lot dependent)
<b>Sample Volume</b>	100 uL (example only; lot dependent)
<b>Product Application Details</b>	
<b>Applications</b>	ELISA



<b>Recommended Dilutions</b>	ELISA
------------------------------	-------

## Images

ELISA: Human Collagen Type I ELISA Kit (Colorimetric) [NBP2-30102]



## Publications

Rakshit M, Gautam A, Toh L et al. Hydroxyapatite Particles Induced Modulation of Collagen Expression and Secretion in Primary Human Dermal Fibroblasts IJN 2020-07-01 [PMID: 32764927] (ELISA, Human)



### **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](http://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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-30102](http://www.novusbio.com/reviews/submit/NBP2-30102)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

