

# Product Datasheet

## Transglutaminase 1/TGM1 Antibody **NB100-1844**

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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



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

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Updated 2/10/2023 v.20.1

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**NB100-1844****Transglutaminase 1/TGM1 Antibody****Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Lyophilized powder, reconstituted in distilled water.
<b>Isotype</b>	IgG
<b>Purity</b>	Unpurified
<b>Buffer</b>	Antiserum
<b>Target Molecular Weight</b>	89.8 kDa

**Product Description**

<b>Host</b>	Rabbit
<b>Gene ID</b>	7051
<b>Gene Symbol</b>	TGM1
<b>Species</b>	Human, Cynomolgus Monkey
<b>Reactivity Notes</b>	Cynomolgus Monkey reactivity reported in scientific literature (PMID: 22620270).
<b>Specificity/Sensitivity</b>	This reacts specifically with human Transglutaminase 1 .
<b>Immunogen</b>	A 15 residue synthetic peptide derived from a domainfrom human Transglutaminase 1 protein.

**Product Application Details**

<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:200-1:1000, ELISA, Immunohistochemistry 1:100 - 1:1000, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:100 - 1:1000
<b>Application Notes</b>	Transglutaminase 1/TGM1 antibody validated for ICC/IF from a verified customer review.

**Publications**

Izquierdo-Altarejos P, Cabrera-Pastor A, Gonzalez-King H et Al. Extracellular Vesicles from Hyperammonemic Rats Induce Neuroinflammation and Motor Incoordination in Control Rats Cells 2020-02-28 [PMID: 32121257] (WB, Rat)
Miller A D, Westmoreland S V, Evangelous N R et al. Acute traumatic spinal cord injury induces glial activation in the cynomolgus macaque ( <i>Macaca fascicularis</i> ). <i>Journal of Medical Primatology</i> 2012-01-01 [PMID: 22620270] (IF/IHC, Cynomolgus Monkey)
Terazawa S, Mori S, Nakajima H et al. The UVB-Stimulated Expression of Transglutaminase 1 Is Mediated Predominantly via the NFkB Signaling Pathway: New Evidence of Its Significant Attenuation through the Specific Interruption of the p38/MSK1/NFkBp65 Ser276 Axis. <i>PLoS ONE</i> 2015-08-26 [PMID: 26305102] (WB, Human)
Yuki T, Komiya A, Kusaka A et al. Impaired Tight Junctions Obstruct Stratum Corneum Formation by Altering Polar Lipid and Profilaggrin Processing <i>Journal of Dermatological Science</i> 2012-01-01 [PMID: 23273645] (WB, 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  
novus@novusbio.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: [technical@novusbio.com](mailto:technical@novusbio.com)  
Orders: [orders@novusbio.com](mailto:orders@novusbio.com)  
General: [novus@novusbio.com](mailto:novus@novusbio.com)

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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