

# Product Datasheet

## Human IL-18/IL-1F4 ELISA Kit (Colorimetric) KA0561

Unit Size: 1 Kit

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

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**KA0561****Human IL-18/IL-1F4 ELISA Kit (Colorimetric)**

<b>Product Information</b>	
<b>Unit Size</b>	1 Kit
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Product Description</b>	
<b>Description</b>	IL18 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human IL18.
<b>Gene ID</b>	3606
<b>Gene Symbol</b>	IL18
<b>Species</b>	Human
<b>Kit Components</b>	96-well plate precoated with anti- human IL-18 antibody, Lyophilized recombinant human IL-18 standard, Biotinylated anti- human IL-18 antibody, dilution 1:100, Avidin-Biotin-Peroxidase Complex (ABC), dilution 1:100, Sample diluent buffer, Antibody diluent buffer, ABC diluent buffer, TMB color developing agent, TMB stop solution
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Standard Curve Range</b>	15.6 to 1000 pg/mL
<b>Sensitivity</b>	<1 pg/mL
<b>Assay Type</b>	Sandwich ELISA
<b>Suitable Sample Type</b>	Cell Culture Supernatant, Cell Lysates, Plasma (EDTA, Heparin), Serum
<b>Sample Volume</b>	100 uL
<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Quantification
<b>Recommended Dilutions</b>	ELISA, Quantification

## Publications

Yen-Fu C, Ao-Ho H, Yao-Fan F et al. Diagnostic Evaluation Using Salivary Gland Ultrasonography in Primary Sjogren's Syndrome. *J Clin Med*. 2023-03-22 [PMID: 36983428]

Peng G, Ching O, Abdalla A et al. IFN- $\gamma$  and IL-18 in conditioned media of parasite-infected host and IL-21-silenced colorectal cancer cells. *Exp Ther Med*. 2020-11-27 [PMID: 33335566]

Chi K, Geng X, Liu C Et Al. LncRNA-HOTAIR promotes endothelial cell pyroptosis by regulating the miR-22/NLRP3 axis in hyperuricaemia *Journal of cellular and molecular medicine* 2021-07-22 [PMID: 34296520] (ELISA)

Liu T, Yang P, Chen H et al. Global analysis of differential gene expression related to long-term sperm storage in oviduct of Chinese Soft-Shelled Turtle *Pelodiscus sinensis*. *Sci Rep* 2016-09-15 [PMID: 27628424] (WB)

Okamura H, Tsutsi H, Komatsu T et al. Cloning of a new cytokine that induces IFN-gamma production by T cells. *Nature*. 1995-11-02 [PMID: 7477296]

Reddy P, Teshima T, Kukuruga M et al. Interleukin-18 regulates acute graft-versus-host disease by enhancing Fas-mediated donor T cell apoptosis. *J Exp Med*. 2001-11-19 [PMID: 11714750]

Mallat Z, Corbaz A, Scoazec A et al. Expression of interleukin-18 in human atherosclerotic plaques and relation to plaque instability. *Circulation*. 2001-10-02 [PMID: 11581135]

Guo W, Ye P, Yu H et al. CD24 activates the NLRP3 inflammasome through c-Src kinase activity in a model of the lining epithelium of inflamed periodontal tissues. *Immunity, Inflammation and Disease*. 2014-01-01 [PMID: 25866631]





### **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

### **Products Related to KA0561**

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210-TA-005	TNF-alpha [Unconjugated]
DL180	IL-18/IL-1F4 [HRP]
M6000B-1	IL-6 [HRP]

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### **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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