

# Product Datasheet

## Serotonin ELISA Kit (Colorimetric)

### KA1894

Unit Size: 1 Kit

Store at 4C.

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



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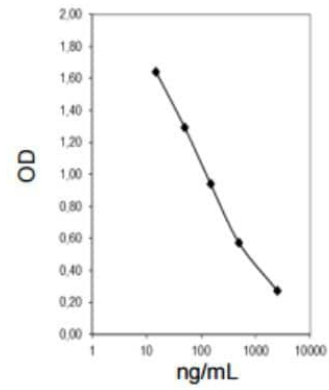


**KA1894****Serotonin ELISA Kit (Colorimetric)**

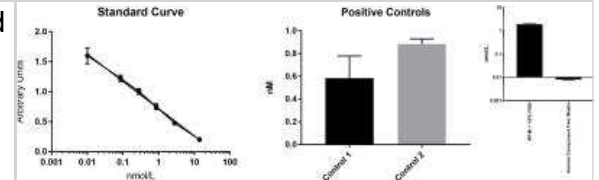
<b>Product Information</b>	
<b>Unit Size</b>	1 Kit
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at 4C.
<b>Product Description</b>	
<b>Description</b>	Serotonin ELISA Kit is an enzyme immunoassay for the quantitative determination of Serotonin in serum, urine and platelets.
<b>Kit Components</b>	<p>Reaction Tubes*): Ready to use, reaction tubes in a resealable pouch., Wash Buffer Concentrate (50x): Buffer with a non-ionic detergent and physiology pH., Enzyme Conjugate: Ready to use, goat anti-rabbit immunoglobulins conjugated with peroxidase., Substrate: Ready to use, chromogenic substrate containing tetramethylbenzidine, substrate buffer and hydrogen peroxide, Stop Solution: Ready for use, containing 0.25 M sulfuric acid.</p> <p>Hazards identification:  H290 May be corrosive to metals.  H314 Causes severe skin burns and eye damage, Serotonin Microtiter Strips: Ready to use, antigen pre-coated microwell plate in a resealable pouch with desiccant., Serotonin Antiserum: Ready to use, rabbit anti-serotonin antibody, blue coloured., Acylation Reagent: Acylation reagent in dimethylsulfoxide, ready to use., Acylation Buffer: Tris buffer with non-mercury preservative, ready to use.</p>
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Standard Curve Range</b>	10.2 to 2,500 ng/mL
<b>Sensitivity</b>	6.2 ng/mL
<b>Inter Assay</b>	Urine: 7.65%, Serum: 6.0%
<b>Intra Assay</b>	Urine: 6.5%, Serum: 4.65%
<b>Assay Type</b>	Quantification
<b>Spiking Recovery</b>	Urine: 94%, Serum: 97%
<b>Suitable Sample Type</b>	Platelets, Serum, Urine
<b>Sample Volume</b>	25 uL
<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Competitive ELISA, Quantification
<b>Recommended Dilutions</b>	ELISA, Competitive ELISA, Quantification

## Images

ELISA: Serotonin ELISA Kit [KA1894] - Standard curve



ELISA: Serotonin ELISA Kit (Colorimetric) [KA1894] - Image from verified customer review.



## Publications

Wong AC, Devason AS, Umana IC et al. Serotonin reduction in post-acute sequelae of viral infection Cell 2023-10-26 [PMID: 37848036]

Vincenzo N, Silvana G, Francesco P et al. The Effect of a Probiotic Complex on the Gut-Brain Axis: A Translational Study. Neuropsychobiology. 2021-08-30 [PMID: 34515196]

Melissa V, An H, Michel M et al. Serotonin Levels in the Serum of Persons with Onchocerciasis-Associated Epilepsy: A Case-Control Study. Pathogens. 2021-06-08 [PMID: 34201076]

A Dickhout, BME Tullemans, JWM Heemskerk, VLJL Thijssen, MJE Kuijpers, RR Koenen Galectin-1 and platelet factor 4 (CXCL4) induce complementary platelet responses in vitro PLoS ONE, 2021-01-07;16(1):e0244736. 2021-01-07 [PMID: 33411760]

Cox RT The Impact of Physical Education on Students' Performance Outcomes in Mathematics Thesis 2022-01-01 (ELISA)

Alamri HS Talbinah (Barley Porridge): neurotransmitters modulatory effect and antidepressant-like action in experimentally depressed rats European review for medical and pharmacological sciences 2022-01-01 [PMID: 35048996] (ELISA)

Al-Rawaf, HA, Alghadir, AH, Gabr SA Circulating microRNAs and Molecular Oxidative Stress in Older Adults with Neurodegeneration Disorders Disease markers 2021-10-22 [PMID: 34721735]

Alghadir AH, Gabr SA, Iqbal ZA Effect of Gender, Physical Activity and Stress-Related Hormones on Adolescent's Academic Achievements Int J Environ Res Public Health 2020-06-10 [PMID: 32531964] (ELISA)

Varshney MK, Inzunza J, Lupu D et al. Role of estrogen receptor beta in neural differentiation of mouse embryonic stem cells. Proc Natl Acad Sci U S A 2017-11-13 [PMID: 29133394]

Aleksovski B, Neceva V, Vujović V et al. SSRI-reduced platelet reactivity in non-responding patients with life-long Recurrent Depressive Disorder: Detection and involved mechanisms. Thromb Res 2018-03-10 [PMID: 29549779] (ELISA, Human)

Chalermkitpanit P, Thonnagith A, Engsusophon P et al. Noradrenaline, Serotonin, GABA, and Glycine in Cerebrospinal Fluid during Labor Pain: A Cross-Sectional Prospective Study. Pain Res Manag 2017-06-18 [PMID: 28701860]

Cremon C, Stanghellini V, Barbaro MR et al. Randomised clinical trial: the analgesic properties of dietary supplementation with palmitoylethanolamide and polydatin in irritable bowel syndrome. Aliment Pharmacol Ther 2017-02-06 [PMID: 28164346]

More publications at <http://www.novusbio.com/KA1894>





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General: novus@novusbio.com

### **Products Related to KA1894**

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NB100-65037	Serotonin Antibody (YC5/45) - BSA Free
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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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