

# Product Datasheet

## Dopamine ELISA Kit (Colorimetric) KA3838

Unit Size: 1 Kit

Store at 4°C.

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**KA3838****Dopamine 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 4°C.
<b>Conjugate</b>	HRP

<b>Product Description</b>	
<b>Description</b>	Dopamine ELISA Kit is an ultra-sensitive enzyme immunoassay for the quantitative determination of Dopamine in biological fluids.
<b>Species</b>	Human, Rat, Fish, Insect
<b>Specificity/Sensitivity</b>	Dopamine ELISA Kit is an ultra-sensitive enzyme immunoassay for the quantitative determination of Dopamine in biological fluids.
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Standard Curve Range</b>	0.5 ng/ml to 80 ng/ml
<b>Sensitivity</b>	0.25 pg/mL x Correction factor
<b>Intra Assay</b>	Human EDTA-Plasma: 15.6%, Cell Culture Medium: 18.4%
<b>Assay Type</b>	Colorimetric
<b>Spiking Recovery</b>	Human EDTA-Plasma: 97.7%, Cell Culture Medium: 98.6%
<b>Suitable Sample Type</b>	Biological Fluid
<b>Sample Volume</b>	1-750 uL

<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Quantification
<b>Recommended Dilutions</b>	ELISA, Quantification

**Publications**

Smith L, Ryde I, Hartman J et al. Strengths and limitations of morphological and behavioral analyses in detecting dopaminergic deficiency in *Caenorhabditis elegans*. *Neurotoxicology*. 2019-07-16 [PMID: 31323240]

Park M, Shin S, Cheng J et al. Nanocellulose based asymmetric composite membrane for the multiple functions in cell encapsulation. *Carbohydr Polym* 2016-12-28 [PMID: 28024536]

Gutbier S, May P, Berthelot S et al. Major changes of cell function and toxicant sensitivity in cultured cells undergoing mild, quasi-natural genetic drift. *Arch Toxicol* 2017-10-08 [PMID: 30298209]

Massarsky A, Jayasundara N, Glazer L et al. Outcomes of developmental exposure to total particulate matter from cigarette smoke in zebrafish (*Danio rerio*). *Neurotoxicology* 2018-07-17 [PMID: 30026038]

Simanjuntak Y, Liang JJ, Lee YL et al. Japanese Encephalitis Virus Exploits Dopamine D2 Receptor-phospholipase C to Target Dopaminergic Human Neuronal Cells. *Front Microbiol* 2017-04-11 [PMID: 28443089]

Gao L, Zhou W, Symmes B, Freed CR Re-Cloning the N27 Dopamine Cell Line to Improve a Cell Culture Model of Parkinson's Disease. *PLoS One* 2016-08-11 [PMID: 27512998] (WB)





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### **Products Related to KA3838**

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KA1887	Dopamine ELISA Kit (Colorimetric)
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### **Limitations**

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

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