

# Product Datasheet

## COX-1 Assay Kit (Luminescent)

### KA0323

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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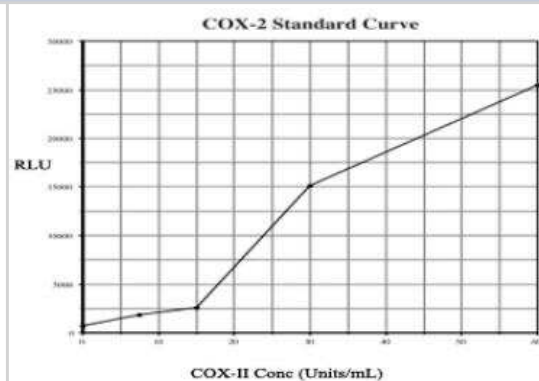
**KA0323****COX-1 Assay Kit (Luminescent)**

<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>	Storage of components varies. See protocol for specific instructions.
<b>Product Description</b>	
<b>Description</b>	Quality control test: Standard curve COX Activity Kit is for the quantitative determination of Cyclooxygenase activity in biological samples.
<b>Gene ID</b>	5742
<b>Gene Symbol</b>	PTGS1
<b>Kit Components</b>	White 96 well microtiter plate: Microtiter plate selected for low background luminescence and reproducible light measurement, COX Chemiluminescent Substrate: A solution of chemiluminescent substrate in aqueous buffer. Substrate is sensitive to light. Protect solutions from ambient room light., Ibuprofen: A 300 mM solution of ibuprofen (a-Methyl-4-(isobutyl)phenylacetic acid) in water, Meloxicam: A 1 mM solution of Meloxicam (CAS No. 71125-38-7) in DMSO., Plate Sealers
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Standard Curve Range</b>	7.5 to 60 Units/mL
<b>Suitable Sample Type</b>	Tissue
<b>Sample Volume</b>	50 uL
<b>Product Application Details</b>	
<b>Applications</b>	Functional
<b>Recommended Dilutions</b>	Functional

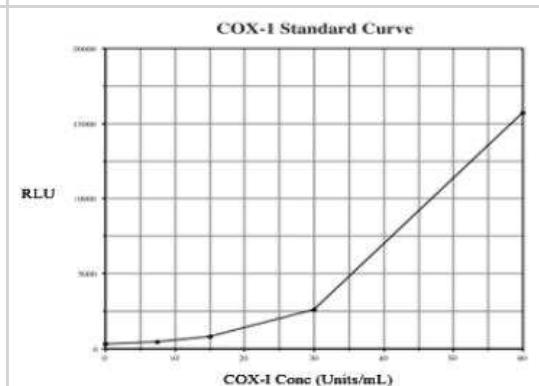


## Images

COX-1 Assay Kit (Fluorometric) [KA0323] - The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.



COX-1 Assay Kit (Fluorometric) [KA0323] - The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.



## Publications

Ana G, Adriana V, Marcia R et al. The impact of cryopreservation in signature markers and immunomodulatory profile of tendon and ligament derived cells. J Cell Physiol. 2021-08-08 [PMID: 34368976]

Dandan C, Yu H, Xingjun C et al. MiR-210-3p Enhances Cardiomyocyte Apoptosis and Mitochondrial Dysfunction by Targeting the NDUFA4 Gene in Sepsis-Induced Myocardial Dysfunction. Int Heart J. 2021-05-15 [PMID: 33994501]

Adriana V, Ana G, Marcia R et al. Human tendon-derived cell sheets created by magnetic force-based tissue engineering hold tenogenic and immunomodulatory potential. Acta Biomater. 2021-06-27 [PMID: 34192569]



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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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