

# Product Datasheet

## Mouse Glutathione Peroxidase 1/GPX1 ELISA Kit (Colorimetric) NBP2-68015

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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



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

### Publications: 2

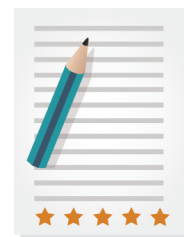
Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-68015](http://www.novusbio.com/NBP2-68015)

Updated 10/23/2024 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-68015](http://www.novusbio.com/reviews/destination/NBP2-68015)



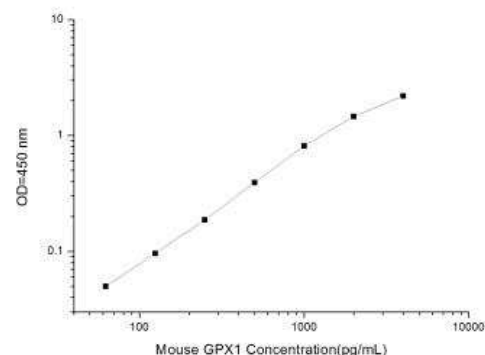
**NBP2-68015****Mouse Glutathione Peroxidase 1/GPX1 ELISA Kit (Colorimetric)**

<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>	Storage of components varies. See protocol for specific instructions.
<b>Product Description</b>	
<b>Gene ID</b>	2876
<b>Gene Symbol</b>	GPX1
<b>Species</b>	Mouse
<b>Specificity/Sensitivity</b>	This kit recognizes Mouse GPX1 in samples. No significant cross-reactivity or interference between Mouse GPX1 and analogues was observed.
<b>Kit Components</b>	Reference Standard, Reference Standard & Sample Diluent, Biotinylated Detection Ab Diluent, HRP Conjugate Diluent, Substrate Reagent, Stop Solution, Plate Sealer, Concentrated Biotinylated Detection Ab (100X), Concentrated HRP Conjugate (100X), Concentrated Wash Buffer (25X), Micro ELISA Plate (Dismountable)
<b>Standard Curve Range</b>	62.50 - 4000 pg/mL
<b>Sensitivity</b>	37.50 pg/mL
<b>Inter Assay</b>	CV% < 5.3
<b>Intra Assay</b>	CV% < 4.86
<b>Assay Type</b>	Sandwich-ELISA
<b>Spiking Recovery</b>	89-106%
<b>Suitable Sample Type</b>	Serum, plasma and other biological fluids
<b>Sample Volume</b>	100 uL
<b>Product Application Details</b>	
<b>Applications</b>	ELISA
<b>Recommended Dilutions</b>	ELISA



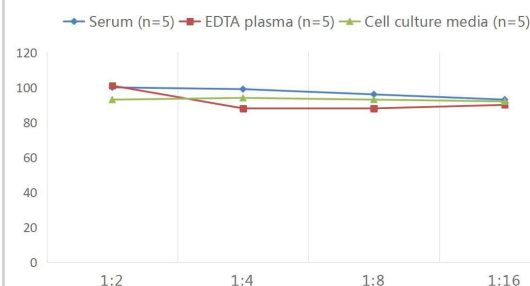
## Images

### Mouse Glutathione Peroxidase 1/GPX1 ELISA Kit (Colorimetric) - Standards Curve Reference

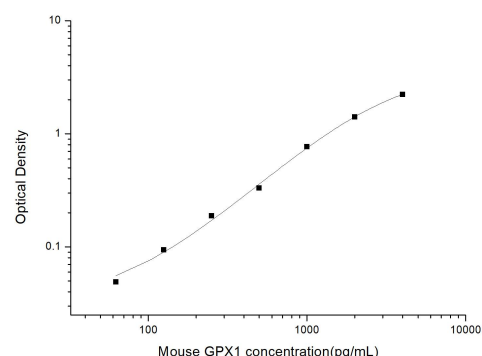


ELISA: Mouse Glutathione Peroxidase 1/GPX1 ELISA Kit (Colorimetric) [NBP2-68015] - Samples were spiked with high concentrations of Mouse Glutathione Peroxidase 1/GPX1 and diluted with Reference Standard & Sample Diluent to produce samples with values within the range of the assay.

#### LINEARITY(%)



### ELISA: Mouse Glutathione Peroxidase 1/GPX1 ELISA Kit (Colorimetric) [NBP2-68015] - Standard Curve Reference



## Publications

Yong Wang, Haiying Wang, Fengzhen Yang Barbaloin Treatment Contributes to the Rebalance of Glucose and Lipid Homeostasis of Gestational Diabetes Mellitus Mice Dose-Response 2020-12-29 [PMID: 33456413]

Li Y, Li S, Li D Breviscapine Alleviates Cognitive Impairments Induced by Transient Cerebral Ischemia/Reperfusion through Its Anti-Inflammatory and Anti-Oxidant Properties in a Rat Model ACS chemical neuroscience 2020-12-16 [PMID: 33270442] (ELISA, Rat)



### **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 NBP2-68015**

---

NBP1-72512-100ug	Recombinant Human Glutathione Peroxidase 1/GPX1 His Protein
210-TA-005	TNF-alpha [Unconjugated]
AF3798	Glutathione Peroxidase 1/GPX1 Antibody [Unconjugated]
NBP1-32822	Nrf2 Antibody

---

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-68015](http://www.novusbio.com/reviews/submit/NBP2-68015)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

