

# Product Datasheet

## Human Glutathione Peroxidase 3/GPX3 ELISA Kit (Colorimetric) NBP2-78850-1Kit

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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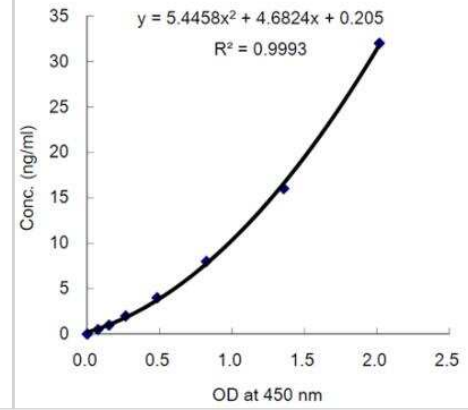
**NBP2-78850-1Kit****Human Glutathione Peroxidase 3/GPX3 ELISA Kit (Colorimetric)**

| <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>Description</b>                 | This Human Glutathione Peroxidase 3/GPX3 ELISA Kit (Colorimetric) is to be used for the in vitro quantitative determination of human Glutathione Peroxidase 3/GPX3 in serum, plasma and cell culture supernatant.                                                                                                                                                       |
| <b>Gene ID</b>                     | 2878                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Symbol</b>                 | GPX3                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>                     | Human                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Kit Components</b>              | 2 bottles Wash Buffer 10X, 2 bottles ELISA Buffer 10X, 2 plate sealers (plastic film), 2 silica Gel Minibags, 1 plate coated with human GPX3 Antibody, 1 vial Detection Antibody (DET), 1 vial HRP Labeled Streptavidin (lyophilized) (STREP-HEP), 1 vial human GPX3 Standard (lyophilized) (STD), 1 bottle TMB Substrate Solution (TMB), 1 bottle Stop Solution (STOP) |
| <b>Standard Curve Range</b>        | 0.5 - 32 ng/mL                                                                                                                                                                                                                                                                                                                                                          |
| <b>Sensitivity</b>                 | 100 pg/mL                                                                                                                                                                                                                                                                                                                                                               |
| <b>Inter Assay</b>                 | Sample 1: CV = 4.83% (n=8) Sample 2: CV = 4.77% (n=8) Sample 3: CV = 4.17% (n=8) Sample 4: CV = 4.09% (n=8) Sample 5: CV = 4.66% (n=8) Sample 6: CV = 1.12% (n=8) Sample 7: CV = 4.79% (n=8) Sample 8: CV = 5.04% (n=8)                                                                                                                                                 |
| <b>Intra Assay</b>                 | Sample 1: CV = 5.04% (n=12) Sample 2: CV = 4.77% (n=12) Sample 3: CV = 5.03% (n=12) Sample 4: CV = 8.46% (n=12) Sample 5: CV = 8.35% (n=12) Sample 6: CV = 9.64% (n=12) Sample 7: CV = 4.21% (n=12) Sample 8: CV = 4.24% (n=12)                                                                                                                                         |
| <b>Assay Type</b>                  | Sandwich ELISA (quantitative)                                                                                                                                                                                                                                                                                                                                           |
| <b>Spiking Recovery</b>            | 92%                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Suitable Sample Type</b>        | Serum, plasma, or cell culture supernatant                                                                                                                                                                                                                                                                                                                              |
| <b>Sample Volume</b>               | 100 uL                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Product Application Details</b> |                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Applications</b>                | ELISA, Sandwich ELISA                                                                                                                                                                                                                                                                                                                                                   |
| <b>Recommended Dilutions</b>       | ELISA, Sandwich ELISA                                                                                                                                                                                                                                                                                                                                                   |



## Images

ELISA: Human Glutathione Peroxidase 3/GPX3 ELISA Kit (Colorimetric)  
- Sample standard curve for Human Glutathione Peroxidase 3/GPX3  
ELISA Kit (Colorimetric)





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### **Products Related to NBP2-78850-1Kit**

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|                 |                                                             |
|-----------------|-------------------------------------------------------------|
| NBP1-99090-50ug | Recombinant Human Glutathione Peroxidase 3/GPX3 His Protein |
| 210-TA-005      | TNF-alpha [Unconjugated]                                    |
| NBP1-06398      | Glutathione Peroxidase 3/GPX3 Antibody                      |
| 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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