

SAFETY DATA SHEET

according to Regulation (EU) 2020/878

Human Glutathione Peroxidase 3/GPX3 ELISA Kit (Colorimetric) Kit

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Revision 1

Revision date 4/27/2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	Human Glutathione Peroxidase 3/GPX3 ELISA Kit (Colorimetric) Kit
Product code	NBP2-78850-1KIT

1.3. Details of the supplier of the safety data sheet

Company	Novus Biological
Address	10771 E Easter Avenue Centennial, CO 80112
Web	Novusbio.com
Telephone	1-888-506-6887
Fax	303-730-1966
Email	technical@novusbio.com

1.4. Emergency telephone number

Emergency telephone number	1-888-506-6887
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SECTION 2: Hazards identification

2.2. Label elements

Hazard Statement	No Significant Hazard
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Sulphuric acid % (Sulphuric acid (mist))	016-020-00-8	7664-93-9	231-639-5		0 - 0.5%	Skin Corr. 1A: H314;
TMB Substrate Solution for ELISA					1 - 10%	
Proclin 300		55965-84-9	911-418-6		0 - 0.5%	Acute Tox. 4: H302+H332; Skin Corr. 1C: H314; Skin Sens. 1: H317; Resp. Sens. 1: H334; Aquatic Acute 1: H400;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Causes burns. Causes severe inflammation and may damage the cornea. In case of contact with

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4.1. Description of first aid measures

Skin contact	eyes, rinse immediately with plenty of water and seek medical advice.
	Causes burns. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use as appropriate: Carbon dioxide (CO ₂), Dry chemical, Foam.
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5.2. Special hazards arising from the substance or mixture

	Corrosive. Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling


	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.
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SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Wear: Self-contained breathing apparatus.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance	Liquid/ solid
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9.2.1. Information with regard to physical hazard classes

	No Significant Hazard.
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9.2.2. Other safety characteristics

	No Significant Hazard.
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SECTION 10: Stability and reactivity

10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	Finely powdered metals.
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10.4. Conditions to avoid

	Strong bases.
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10.6. Hazardous decomposition products

	Sulphur oxides.
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SECTION 11: Toxicological information

11.1 Information on hazard classes

Acute toxicity	No data available.
	Irritating to eyes, respiratory system and skin. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. May cause severe internal injury. Inhalation may cause coughing and shortness of breath.

11.1.4. Toxicological Information

	No data available
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11.2 Information on other hazards

	This product does not contain any known or suspected endocrine disruptors.
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SECTION 12: Ecological information

12.1. Toxicity

	No data available
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12.6 Endocrine disrupting properties

	This product does not contain any known or suspected endocrine disruptors.
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12.7. Other adverse effects

	No data available.
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Further information

	The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.
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SECTION 13: Disposal considerations

General information

	Dispose of in compliance with all local and national regulations.
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SECTION 14: Transport information

14.1. UN number

	The product is not classified as dangerous for carriage.
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14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

14.7 Maritime Transport in bulk according to IMO instruments

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

SECTION 16: Other information

Other information

Revision

This document differs from the previous version in the following areas:.

- 9 - 9.2.2. Other safety characteristics.
- 9 - 9.2.1. Information with regard to physical hazard classes.
- 11 - 11.1 Information on hazard classes.
- 11 - 11.2 Information on other hazards.
- 12 - 12.1. Toxicity.
- 12 - 12.6 Endocrine disrupting properties.
- 12 - 12.7. Other adverse effects.
- 15 - Regulations.

Text of Hazard Statements in Section 3

Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled
Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.

General information

Kit Components. 1 plate coated with Capture Antibody. 2 bottles Wash Buffer 10X. 2 bottles ELISA Buffer 10X. 1 vial Detection Antibody. 1 vial HRP 100X Detector. 1 vial Standard Protein (lyophilized). 1 bottle TMB Substrate Solution. 1 bottle Stop Solution.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.