

SAFETY DATA SHEET

1. IDENTIFICATION

- | | |
|----------------------------|---|
| 1.1. Product Name | Stemgent® Nanog Antibody (Affinity Purified), Rabbit anti-Mouse/Human |
| 1.2. Catalog Number | 09-0020 |
| 1.3. Uses and restrictions | For research use only. Not for use in diagnostic or therapeutic applications. |
| 1.4. Manufacturer/Supplier | Stemgent, Inc.
4 Hartwell Place
Lexington, MA 02421 USA
(617) 245-0000 |
| 1.5. In Case of Emergency | <ul style="list-style-type: none"> • For medical emergencies, contact your local emergency center. • For transportation emergencies, contact your local transportation authorities. • For other non-medical or non-environmental emergencies please call (617) 245-0030, 8:00 am-4:00 pm EST, Monday – Friday. |

2. HAZARDS IDENTIFICATION

- | | |
|--|---|
| 2.1. Classification | According to 29 CFR 1910.1200(d), hazardous ingredients at less than 1% and carcinogens at less than 0.1% are considered non hazardous. |
| 2.2. Signal Word | Not applicable. |
| 2.3. Symbol | Not applicable. |
| 2.4. Hazard Statement(s) | Not applicable. |
| 2.5. Precautionary Statement(s) | Not applicable. |
| 2.6. Hazards not otherwise classified (HNOC) or not covered by GHS | None. |

3. COMPOSITION/INFORMATION ON INGREDIENTS

- | | |
|-----------------------|--|
| 3.1. Chemical Name | Stemgent Nanog Antibody (Affinity Purified), Rabbit anti-Mouse/Human |
| 3.2. Synonyms | Nanog Antibody, Rabbit anti-Mouse/Human |
| 3.3. Chemical Formula | Not available. |
| 3.4. Molecular Weight | Not available. |
| 3.5. CAS Number | Not available. |

HAZARDOUS COMPONENTS WITHIN MIXTURE

Component	CAS-No./EC-No.	Classification	Concentration
Glycerol	CAS-No: 56-81-5 EC-No: 200-289-5	Not available.	20%



AMERICAS • HUMAN TISSUE
9000 Virginia Manor Road, Suite 207
Beltsville, MD 20705, USA
Tel: (301) 470-3362
Email: info@bioserve.com
www.bioserve.com



AMERICAS • REAGENTS
4 Hartwell Place
Lexington, MA 02421, USA
Tel: (617) 245-0000
Email: info@stemgent.com
www.stemgent.com



ASIA PACIFIC
KDX Shin-yokohama381 Bldg9F
3-8-11, Shin-yokohama, Kohoku-ku,
Yokohama, Kanagawa 222-0033, Japan
Tel: +81 45 475 3887
Email: info_jp@reprocell.com
www.reprocell.com/en



EUROPE
NETPark Incubator
Thomas Wright Way
Sedgefield, Co. Durham
TS21 3FD, UNITED KINGDOM
Tel: +44 (0)1740 625 266
Email: info@reinnervate.com
www.reinnervate.com



**AMERICAS & EUROPE
HUMAN TISSUE ASSAYS**
Weipers Centre, Garscube Estate
Bearsden Road, Glasgow G61 1QH
United Kingdom
Tel: +44 (0)141 330 3831
Email: info@biopta.com
www.biopta.com

SAFETY DATA SHEET

Thimerosal	CAS-No: 54-64-8 EC-No: 200-210-4	Acute Tox. 2; Acute Tox.1; STOT RE 2; Aquatic Acute 1; Aquatic Chronic 1; H300 + H310 + H330, H373, H410	0.01%
------------	---	---	-------

4. FIRST AID MEASURES

4.1. First Aid Instructions

- General Advice Move out of exposure area. Consult a physician.
- Eyes Check for and remove contact lenses immediately and flush thoroughly with water for at least 15 minutes. Call a physician.
- Skin Immediately flush skin with copious amounts of water. Remove contaminated clothing and shoes and wash before use. Contact a physician.
- Ingestion If swallowed, wash mouth out with water provided person is conscious. Do not induce vomiting. Loosen tight clothing. Contact a physician.
- Inhalation If inhaled, remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, call a physician.
- Puncture Wounds Wash thoroughly with soap and water. Allow wound to bleed freely. Contact a physician.

4.2. Most Important Symptoms/effects, acute and immediate

Described in section 2.

4.3. Indications of immediate medical attention and special treatment needed

No data available.

5. FIRE FIGHTING MEASURES

- 5.1. Suitable extinguishing media. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- 5.2. Specific hazards arising from the chemical No data available.
- 5.3. Special protective equipment and precautions for fire-fighters Wear self contained breathing apparatus and full turnout gear for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions, protective equipment, and emergency procedures Use personal protective equipment (see section 8). Avoid breathing vapors, mist, or gas.
- 6.2. Environmental Precautions Do not let product enter drain.



AMERICAS • HUMAN TISSUE
9000 Virginia Manor Road, Suite 207
Beltsville, MD 20705, USA
Tel: (301) 470-3362
Email: info@bioserve.com
www.bioserve.com



AMERICAS • REAGENTS
4 Hartwell Place
Lexington, MA 02421, USA
Tel: (617) 245-0000
Email: info@stemgent.com
www.stemgent.com



ASIA PACIFIC
KDX Shin-yokohama381 Bldg9F
3-8-11, Shin-yokohama, Kohoku-ku,
Yokohama, Kanagawa 222-0033, Japan
Tel: +81 45 475 3887
Email: info_jp@reprocell.com
www.reprocell.com/en



EUROPE
NETPark Incubator
Thomas Wright Way
Sedgefield, Co. Durham
TS21 3FD, UNITED KINGDOM
Tel: +44 (0)1740 625 266
Email: info@reinnervate.com
www.reinnervate.com



**AMERICAS & EUROPE
HUMAN TISSUE ASSAYS**
Weipers Centre, Garscube Estate
Bearsden Road, Glasgow G61 1QH
United Kingdom
Tel: +44 (0)141 330 3831
Email: info@biopta.com
www.biopta.com

SAFETY DATA SHEET

6.3. Methods and materials for containment and clean up

Keep in suitable, closed containers for disposal. Use absorbent, non-reactive material to contain liquid spill. Dispose of absorbent material used to clean spills in accordance with federal, state, and local environmental control regulations.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

- Avoid inhalation, contact with eyes, skin, and clothing.
- Avoid prolonged or repeated exposure.
- Keep in well-ventilated area.
- For other precautions see section 2.5.

7.2. Conditions for safe storage, including any incompatibilities

Store at 4°C. Keep container tightly closed, in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Thimerosal, CAS-No. 54-64-8

- Potential for dermal absorption
- Central nervous system impairment
- Kidney damage
- Danger of cutaneous absorption

Thimerosal Exposure Limits

- Ceiling Limit: 0.1mg/m³ – USA. NIOSH Recommended Exposure Limits
- TWA: 0.5mg/m³ – USA. NIOSH Recommended Exposure Limits
0.1mg/m³ – USA. ACGISH Threshold Limit Values (TLV)
- STEL: 0.03mg/m³ – USA. ACGIH Threshold Limit Values (TLV)

Glycerol, CAS-No. 56-81-5

- Upper respiratory tract irritation

Glycerol Exposure Levels

- TWA: 5mg/m³ – USA. OSHA Table Z-1 Limits for Air Contaminants – 1910.1000
10mg/m³ – USA. OSHA Table Z-1 for Limits for Air Contaminants – 1910.1000, USA. ACGIH Threshold Limit Values (TLV)
15mg/m³ – USA. Occupational Exposure Limits (OSHA) – Table Z-1 for air contaminants

8.2. Appropriate engineering controls

Safety shower and eye bath. Mechanical exhaust required.

8.3. Protection measures and Personal Protective Equipment

Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling.



AMERICAS • HUMAN TISSUE
9000 Virginia Manor Road, Suite 207
Beltsville, MD 20705, USA
Tel: (301) 470-3362
Email: info@bioserve.com
www.bioserve.com



AMERICAS • REAGENTS
4 Hartwell Place
Lexington, MA 02421, USA
Tel: (617) 245-0000
Email: info@stemgent.com
www.stemgent.com



ASIA PACIFIC
KDX Shin-yokohama381 Bldg9F
3-8-11, Shin-yokohama, Kohoku-ku,
Yokohama, Kanagawa 222-0033, Japan
Tel: +81 45 475 3887
Email: info_jp@reprocell.com
www.reprocell.com/en



EUROPE
NETPark Incubator
Thomas Wright Way
Sedgefield, Co. Durham
TS21 3FD, UNITED KINGDOM
Tel: +44 (0)1740 625 266
Email: info@reinnervate.com
www.reinnervate.com



**AMERICAS & EUROPE
HUMAN TISSUE ASSAYS**
Weipers Centre, Garscube Estate
Bearsden Road, Glasgow G61 1QH
United Kingdom
Tel: +44 (0)141 330 3831
Email: info@biopta.com
www.biopta.com

SAFETY DATA SHEET

- **Respiratory Protection** Respiratory protection is not required. Where protection from nuisance exposure is desired use type OV/AG (US) or type ABEK (EU EN 14387) respiratory cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
- **Eye Protection** Chemical safety goggles.
- **Skin Protection** Protective gloves and lab coat.

9. PHYSICAL/CHEMICAL PROPERTIES

- | | |
|--|--------------------|
| 9.1. Appearance | Liquid. |
| 9.2. Odor | No data available. |
| 9.3. Odor Threshold | No data available. |
| 9.4. pH | 7.2 |
| 9.5. Melting point/freezing point | No data available. |
| 9.6. Initial boiling point and boiling range | No data available. |
| 9.7. Flash point | No data available. |
| 9.8. Evaporation rate | No data available. |
| 9.9. Flammability (solid, gas); | No data available. |
| 9.10. Upper/lower flammability or explosive limits | No data available. |
| 9.11. Vapor pressure | No data available. |
| 9.12. Vapor density | No data available. |
| 9.13. Relative density | No data available. |
| 9.14. Solubility(ies) | No data available. |
| 9.15. Partition coefficient: n-octanol/water | No data available. |
| 9.16. Auto-ignition temperature | No data available. |
| 9.17. Decomposition temperature | No data available. |
| 9.18. Viscosity | No data available. |
| 9.19. Explosive properties | No data available. |
| 9.20. Oxidizing properties | No data available. |

10. STABILITY/REACTIVITY

- | | |
|--|--------------------------|
| 10.1. Reactivity | No data available. |
| 10.2. Chemical Stability | This product is stable. |
| 10.3. Possibility of hazardous reactions | No data available. |
| 10.4. Conditions to Avoid | No data available. |
| 10.5. Incompatible materials | Strong oxidizing agents. |



AMERICAS • HUMAN TISSUE
 9000 Virginia Manor Road, Suite 207
 Beltsville, MD 20705, USA
 Tel: (301) 470-3362
 Email: info@bioserve.com
www.bioserve.com



AMERICAS • REAGENTS
 4 Hartwell Place
 Lexington, MA 02421, USA
 Tel: (617) 245-0000
 Email: info@stemgent.com
www.stemgent.com



ASIA PACIFIC
 KDX Shin-yokohama381 Bldg9F
 3-8-11, Shin-yokohama, Kohoku-ku,
 Yokohama, Kanagawa 222-0033, Japan
 Tel: +81 45 475 3887
 Email: info_jp@reprocell.com
www.reprocell.com/en



EUROPE
 NETPark Incubator
 Thomas Wright Way
 Sedgefield, Co. Durham
 TS21 3FD, UNITED KINGDOM
 Tel: +44 (0)1740 625 266
 Email: info@reinnervate.com
www.reinnervate.com



**AMERICAS & EUROPE
 HUMAN TISSUE ASSAYS**
 Weipers Centre, Garscube Estate
 Bearsden Road, Glasgow G61 1QH
 United Kingdom
 Tel: +44 (0)141 330 3831
 Email: info@biopta.com
www.biopta.com

SAFETY DATA SHEET

10.6. Hazardous decomposition products No data available.

11. TOXICOLOGICAL INFORMATION

- 11.1. Toxicological effects No data available.
- Acute toxicity No data available.
 - Skin corrosion/irritation No data available.
 - Serious eye damage/eye irritation No data available.
 - Respiratory or skin sensitization No data available.
 - Germ cell mutagenicity No data available.
 - Carcinogenicity
 - IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.
 - ACGIH: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
 - NTP: No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen.
 - OSHA: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
 - Reproductive Toxicity No data available.
 - Specific target organ toxicity - single exposure No data available.
 - Specific target organ toxicity - repeated exposure No data available.
 - Aspiration hazard No data available.
- 11.2. Symptoms related to the physical, chemical and toxicological characteristics No data available.
- 11.3. Effects of Short-Term Exposure No data available.
- 11.4. Effects of Long-Term Exposure No data available.
- 11.5. Numerical measures of toxicity No data available.
- 11.6. Other Information Liver – Irregularities – Based on Human Evidence (Sodium azide).
Kidney – Irregularities – Based on Human Evidence (Glycerol).

12. ECOLOGICAL INFORMATION

12.1. Toxicity No data available.



AMERICAS • HUMAN TISSUE
9000 Virginia Manor Road, Suite 207
Beltsville, MD 20705, USA
Tel: (301) 470-3362
Email: info@bioserve.com
www.bioserve.com



AMERICAS • REAGENTS
4 Hartwell Place
Lexington, MA 02421, USA
Tel: (617) 245-0000
Email: info@stemgent.com
www.stemgent.com



ASIA PACIFIC
KDX Shin-yokohama381 Bldg9F
3-8-11, Shin-yokohama, Kohoku-ku,
Yokohama, Kanagawa 222-0033, Japan
Tel: +81 45 475 3887
Email: info_jp@reprocell.com
www.reprocell.com/en



EUROPE
NETPark Incubator
Thomas Wright Way
Sedgefield, Co. Durham
TS21 3FD, UNITED KINGDOM
Tel: +44 (0)1740 625 266
Email: info@reinnervate.com
www.reinnervate.com



**AMERICAS & EUROPE
HUMAN TISSUE ASSAYS**
Weipers Centre, Garscube Estate
Bearsden Road, Glasgow G61 1QH
United Kingdom
Tel: +44 (0)141 330 3831
Email: info@biopta.com
www.biopta.com

SAFETY DATA SHEET

12.2. Persistence and degradability	No data available.
12.3. Bioaccumulative potential	No data available.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	No data available.
12.6. Other adverse effects	No data available.

13. DISPOSAL CONSIDERATIONS

13.1. Disposal Method	Waste must be disposed of in accordance with federal, state, and local environmental control regulations.
13.2. Personal safety	Refer to section 8.

14. TRANSPORT INFORMATION

This product is considered non-hazardous for transport.

15. REGULATORY INFORMATION

U.S. Federal Regulations

• SARA 313 components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels.
• SARA 302 components	Does not contain any components subject to reporting requirements of SARA Title III, Section 302.
• SARA 311/312 Hazards	Not hazardous.
• Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see CFR 61)	Does not contain any components subject to reporting.

U.S. State Regulations

• California Proposition 65	Does not contain any components subject to reporting.
• Massachusetts Right To Know Components	Does not contain any components subject to reporting.
• Pennsylvania Right To Know Components	Thimerosal, CAS No. 54-64-8 Glycerol, CAS No. 56-81-5 Disodium hydrogen orthophosphate, CAS No. 7558-79-4, Revision Date: 2007-03-01
• New Jersey Right To Know Components	Thimerosal, CAS No. 54-64-8 Glycerol, CAS No. 56-81-5 Disodium hydrogen orthophosphate, CAS No. 7558-79-4, Revision Date: 2007-03-01

WHMIS Hazard Class Not controlled under WHMIS (Canada).



AMERICAS • HUMAN TISSUE
9000 Virginia Manor Road, Suite 207
Beltsville, MD 20705, USA
Tel: (301) 470-3362
Email: info@bioserve.com
www.bioserve.com



AMERICAS • REAGENTS
4 Hartwell Place
Lexington, MA 02421, USA
Tel: (617) 245-0000
Email: info@stemgent.com
www.stemgent.com



ASIA PACIFIC
KDX Shin-yokohama381 Bldg9F
3-8-11, Shin-yokohama, Kohoku-ku,
Yokohama, Kanagawa 222-0033, Japan
Tel: +81 45 475 3887
Email: info_jp@reprocell.com
www.reprocell.com/en



EUROPE
NETPark Incubator
Thomas Wright Way
Sedgefield, Co. Durham
TS21 3FD, UNITED KINGDOM
Tel: +44 (0)1740 625 266
Email: info@reinnervate.com
www.reinnervate.com



**AMERICAS & EUROPE
HUMAN TISSUE ASSAYS**
Weipers Centre, Garscube Estate
Bearsden Road, Glasgow G61 1QH
United Kingdom
Tel: +44 (0)141 330 3831
Email: info@biopta.com
www.biopta.com

SAFETY DATA SHEET

16. OTHER INFORMATION

Notice

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Stemgent, Inc. shall not be held liable for any damage resulting from handling or from contact with the product. See Stemgent, Inc. website for terms and conditions of sale.

Preparation Date

February 23rd, 2016

Version No.

1.2

Prepared by

Quality Control

END OF SAFETY DATA SHEET



AMERICAS • HUMAN TISSUE
9000 Virginia Manor Road, Suite 207
Beltsville, MD 20705, USA
Tel: (301) 470-3362
Email: info@bioserve.com
www.bioserve.com



AMERICAS • REAGENTS
4 Hartwell Place
Lexington, MA 02421, USA
Tel: (617) 245-0000
Email: info@stemgent.com
www.stemgent.com



ASIA PACIFIC
KDX Shin-yokohama381 Bldg9F
3-8-11, Shin-yokohama, Kohoku-ku,
Yokohama, Kanagawa 222-0033, Japan
Tel: +81 45 475 3887
Email: info_jp@reprocell.com
www.reprocell.com/en



EUROPE
NETPark Incubator
Thomas Wright Way
Sedgefield, Co. Durham
TS21 3FD, UNITED KINGDOM
Tel: +44 (0)1740 625 266
Email: info@reinnervate.com
www.reinnervate.com



**AMERICAS & EUROPE
HUMAN TISSUE ASSAYS**
Weipers Centre, Garscube Estate
Bearsden Road, Glasgow G61 1QH
United Kingdom
Tel: +44 (0)141 330 3831
Email: info@biopta.com
www.biopta.com