

Version: 01

Update: 07/21/2023

SAFETY DATA SHEET

Section 1-Identification of the substance/mixture and of the company/undertaking

1.1 Identification of the substance or mixture

Product code : L00971

Product name : Pembrolizumab Immunogenicity Kit (Bridging ELISA)

1.2 Company/undertaking identification

GenScript Technologies : Manufacture of substances

1.3 24 hour Emergency Response:

Emergency Phone #: 1-732-885-9188

Telephone : 1-877-436-7274

Fax : 1-732-210-0262

E-mail address : product@genscript.com

Web : <http://www.genscript.com>

1.4 For Research Use Only. Not for use in diagnostic procedures.

Section 2- Hazards identification

2.1 GHS - Classification

Signal Word

None

Health hazards

Not classified

Physical hazards

Not classified

Hazard Statements

Not Applicable

Precautionary Statements

Not Applicable

2.2 Principle Routes of Exposure Potential Health Effects

Eyes

May cause eye irritation with susceptible persons.

Skin

May cause skin irritation in susceptible persons.

Inhalation

May be harmful by inhalation.

Ingestion

May be harmful if swallowed.

2.3 Specific effects

Carcinogenic effects

None.

Mutagenic effects

None.

Reproductive toxicity

None.

Sensitization

none

Target Organ Effects

No known effects under normal use conditions.

2.4 HMIS

Health 0

Flammability 0

Reactivity 0

Section 3- Composition/information on ingredients

| Components | Ingredient Name | CAS-No. | EC-No. | Index-No. | Conc. |
|--|-------------------|------------|-----------|--------------|-------|
| Standard Stock Capture Plate 100xBiotin Pembrolizumab Streptavidin-HRP Sample Dilution Buffer 20x Wash Solution | ProClin 300 | 55965-84-9 | --- | 613-167-00-5 | 0.1% |
| Stop Solution | Hydrochloric Acid | 7647-01-0 | 231-595-7 | 017-002-01-X | 2.63% |
| TMB Solution | Hydrogen Peroxide | 7722-84-1 | 231-765-0 | 008-003-00-9 | <5% |

Section 4- First aid measures

4.1 Skin contact

Rinse cautiously with water for several minutes. Immediate medical attention is not required.

4.2 Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

4.3 Ingestion

Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

If you feel unwell, seek medical advice.

4.4 Inhalation

Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

4.5 Notes to Physician

Treat symptomatically.

Section 5- Firefighting measures

5.1 Suitable extinguishing media

Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

5.2 Special protective equipment for firefighters

Standard procedure for chemical fires.

Section 6- Accidental release measures

6.1 Personal precautions

Always wear recommended Personal Protective Equipment. Use personal protection equipment.

6.2 Methods for cleaning up

Soak up with inert absorbent material.

6.3 Environmental precautions

No special environmental precautions required.

Section 7- Handling and storage

7.1 Handling

Always wear recommended Personal Protective Equipment. No special handling advices are necessary.

7.2 Storage

Store at 2-8°C.

Section 8- Exposure controls/personal protection

8.1 Exposure Limits

We are not aware of any national exposure limit.

8.2 Engineering measures

Ensure adequate ventilation, especially in confined areas.

8.3 Personal Protective Equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Impervious gloves.

Eye protection

Wear safety glasses with side shields (or goggles).

Skin and Body Protection

Lightweight protective clothing.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

8.4 Environmental exposure controls

No special environmental precautions required.

Section 9- Physical and chemical properties

9.1 General information

| Components | Physical State | Appearance |
|-------------------------------|-------------------|--------------------|
| Capture Plate | Solid | Colorless Plate |
| Standard Stock | Liquid | Yellowish Solution |
| Sample Dilution Buffer | Liquid | Yellowish Solution |
| 100xBiotin Pembrolizumab | Liquid | Yellowish Solution |
| Streptavidin-HRP | Liquid | Yellowish Solution |
| TMB Solution | Liquid | Colorless Solution |
| 20x Wash Solution | Liquid | Colorless Solution |
| Stop Solution | Liquid | Colorless Solution |
| Plate Sealer | Solid | White Paper |
| Appearance | No data available | |
| Odor | No data available | |
| Odor Threshold | No data available | |
| Boiling point / boiling range | No data available | |

| | |
|-------------------------------|-------------------|
| Melting point / melting range | No data available |
| flash point: | No data available |
| Autoignition Temperature | No data available |
| Oxidizing properties | No data available |
| Water solubility | No data available |

Section 10- Stability and Reactivity

10.1 Stability

The unopened kit is stable for at least 12 months from the date of manufacture if stored at 2°C to 8°C, and the opened kit is stable for up to 1 month from the date of opening at 2°C to 8°C.

10.2 Materials to avoid

No dangerous reaction known under conditions of normal use.

10.3 Hazardous decomposition

None under normal use conditions.

10.4 Products polymerization

Hazardous polymerization does not occur.

Section 11-Toxicological information

11.1 Acute Toxicity

No toxicology information is available.

11.2 Principle Routes of Exposure Potential Health Effects

| | |
|-----------------------|--|
| eyes | May cause eye irritation with susceptible persons. |
| Skin | May cause skin irritation in susceptible persons. |
| inhalation | May be harmful by inhalation. |
| Ingestion | May be harmful if swallowed. |
| Carcinogenic effects | None. |
| Mutagenic effects | None. |
| Reproductive toxicity | None. |
| Sensitization | None. |

Section 12- Ecological information

12.1 Ecotoxicity Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

12.2 Mobility No information available.

- 12.3 Biodegradation** Inherently biodegradable.
- 12.4 Bioaccumulation** Material does not bioaccumulate.

Section 13- Disposal considerations

Dispose of contents/containers in accordance with local regulations.

Section 14- Transport information

14.1 IATA

| | |
|-----------------------------|---|
| Proper Shipping Name | No dangerous good in sense of these transport regulations |
| Hazard Class | None |
| Subsidiary class | None |
| Packing group | None |
| UN-No | None |

Section 15- Regulatory information

15.1 US Federal Regulations

SARA 313

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contains HAPs.

15.2 US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

15.3 WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Section 16- Other information

16.1 Reason for revision

SDS sections updated.

For Research Use Only. Not for use in diagnostic procedures.

"The above information was acquired by diligent search and/or investigation and the recommendations

are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE"

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