



SAFETY DATA SHEET

1. COMPANY AND PRODUCT IDENTIFICATION

Product Name	myTXTL Antibody/DS Cell-Free Expression Kit (300µL, 1000µL, 10mL)
Product Code	56XXXX
Kit Components	- Antibody DS/Master Mix 0.3-10 mL - DS Helper Plasmid 20-750 µL - T7 GLuc Control Plasmid 25-50 µL
Recommended use	For research use only. Not intended for human or animal diagnostic or therapeutic uses.
Supplier Address	Daicel Arbor Biosciences 5840 Interface Drive, Suite 101 Ann Arbor, MI 48103 USA
Email	techsupport@arbor.daicel.com
Phone	+ 1 (734) 998-0751
Emergency Phone Number	+1 (800) 222-1222 (American Association of Poison Control Centers) Available 24 hours everyday

2. HAZARD(S) IDENTIFICATION

Emergency Overview

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. Use prudent laboratory practices for handling chemical substances.

Appearance Colorless **Physical State** Liquid **Odor** Odorless

3. COMPOSITION/INFORMATION ON INGREDIENTS

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. FIRST-AID MEASURES

General Advice

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove from exposure, lie down. Do not breathe dust/fume/gas/mist/vapors/spray.

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact Wash skin with soap and water.

Inhalation	Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.
Ingestion	Clean mouth with water and drink afterwards plenty of water.
Note to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Substance is non-flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Chemical

None known.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes and clothing.

Personal Protective Equipment [PPE]

Use personal protection recommended in Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Environmental Precautions

Should not be released into the environment.

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Dispose in accordance with local/state/national regulations.

7. HANDLING AND STORAGE

Advice on Safe Handling

Handle in accordance with good industrial hygiene and safety practice.

Storage Temperature

Refer to Product Data Sheet for specific information.

Storage Conditions

Keep/store only in original container. Keep tightly closed in a dry and cool place.

Incompatible Materials

None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Exposure Guidelines

This product does not contain any hazardous materials.

Personal protective equipment (PPE)

Refer to OSHA's regulations in 29 CFR 1910.133 or European Standard EN166 for eye/face protection and 29 CFR 1910.134 or European standard EN149 for respiratory protection.

Eye/face Protection

Wear safety glasses with side shields (or goggles).

Skin and Body Protection

Wear suitable protective clothing and gloves.

Respiratory Protection

Use in well-ventilated areas.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Clear
Odor	Odorless

Property

pH	
Melting Point/Freezing Point	
Boiling Point/Boiling Range	
Flash Point	
Evaporation Rate	Flammability (solid, gas)
Flammability Limit in Air	
Upper Flammability Limit	
Lower Flammability Limit	
Vapor Pressure	
Vapor Density	
Relative Density	
Specific Gravity	
Water solubility	
Solubility in Other Solvents	
Partition Coefficient	
Autoignition Temperature	
Decomposition Temperature	
Kinematic Viscosity	
Dynamic Viscosity	
Explosive Properties	
Oxidizing Properties	

Notes/Method

No information available
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Other Information

Softening Point	No information available
Molecular Weight	No information available
VOC Content (%)	No information available
Density	No information available
Bulk Density	No information available

10. STABILITY AND REACTIVITY

Reactivity	No data available.
Stability	Stable under Normal Conditions.
Possibility of Hazardous Reactions	None under normal processing.
Conditions to Avoid	None known based on information supplied.
Incompatible Materials	None known based on information supplied.
Hazardous Decomposition Products	None known

11. TOXICOLOGICAL INFORMATION

Acute Toxicity Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

<i>Inhalation</i>	Specific test data for the substance or mixture is not available.
<i>Eye Contact</i>	Specific test data for the substance or mixture is not available.
<i>Skin Contact</i>	Specific test data for the substance or mixture is not available.
<i>Ingestion</i>	Specific test data for the substance or mixture is not available.

Chronic Toxicity

<i>Skin Corrosion/Irritation</i>	No information available
<i>Serious Eye Damage/Eye Irritation</i>	No information available
<i>Irritation</i>	No information available
<i>Corrosivity</i>	No information available
<i>Sensitization</i>	
Skin	No information available
Respiratory	No information available
<i>Germ Cell Mutagenicity</i>	No information available
<i>Carcinogenicity</i>	No information available
<i>Reproductive Toxicity</i>	No information available
<i>Developmental Toxicity</i>	No information available
<i>Teratogenicity</i>	No information available
<i>STOT - Single Exposure</i>	No information available
<i>STOT - Repeated Exposure</i>	No information available
<i>Chronic Toxicity</i>	No information available
<i>Subchronic Toxicity</i>	No information available
<i>Target Organ Effects</i>	No information available
<i>Neurological Effects</i>	No information available
<i>Other Adverse Effects</i>	No information available
<i>Aspiration Hazard</i>	No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial)	Do not empty into drains.
Persistence and Degradability	No information available
Bioaccumulative Potential	No information available
Mobility in Soil	No information available

Other Adverse Effects

Ozone depletion potential (ODP)
No information available

13. DISPOSAL CONSIDERATIONS

Relevant Information

Keep out of drains, sewers, ditches and waterways.

Disposal Considerations

Dispose in accordance with local/state/national regulations.

Contaminated Packaging

Empty containers must be tripled rinsed prior to disposal.

14. TRANSPORT INFORMATION

DOT	Not regulated
IATA	Not regulated
IMDG	Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Not determined
DSL	Not determined
NDSL	Not determined

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

<i>Acute health hazard</i>	No
<i>Chronic Health Hazard</i>	No
<i>Fire hazard</i>	No
<i>Sudden Release of Pressure Hazard</i>	No
<i>Reactive Hazard</i>	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

International Regulations

Canada

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

Canadian NPRI	Not Listed
WHIMIS (Canada)	Not Classified

16. OTHER INFORMATION

Training advice

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

FOR RESEARCH USE ONLY.

FOR IN VITRO USE ONLY.

NOT FOR USE IN HUMAN OR ANIMALS.

NOT FOR USE IN DIAGNOSTIC PROCEDURES.

Prepared by Daicel Arbor Biosciences
+1 (734) 998-0751

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Version 01

Revision Note SDS is valid three (3) years from revision date. Contact techsupport@arbor.daicel.com for latest revision.

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End of Safety Data Sheet