

Safety Data Sheet (SDS)

Product Information

Product Name: CD19 CAR Detection Reagent – PE

Catalog Number: CD19534-PE

Product Type: Flow cytometry detection reagent

Intended Use: Research use only (RUO). Not intended for therapeutic or direct clinical

1. Identification of Hazards

This product contains a low concentration (0.02% w/v) of sodium azide as preservative.

At this concentration, the product is not classified as a hazardous mixture under standard laboratory use conditions.

Precautions:

- Avoid ingestion
- Avoid contact with eyes and skin
- Avoid release into the environment
- Handle using standard laboratory practices

2. Composition / Information on Ingredients

This product contains:

- Phosphate Buffered Saline (PBS)
- Bovine Serum Albumin (BSA), 1 mg/mL
- Sodium Azide (NaN_3), 0.02% (w/v)
- Recombinant protein-based detection reagent (PE-conjugated)

3. First Aid Measures

Skin contact: Wash with water and soap

Eye contact: Rinse with water for several minutes

Inhalation: Move to fresh air

Ingestion: Seek medical advice if necessary

4. Firefighting Measures

Suitable extinguishing media: Water spray, foam, dry chemical, CO_2 .

No specific hazards associated with this product under normal conditions.

5. Accidental Release Measures

- Wear appropriate protective equipment
- Absorb with suitable material (e.g., paper towel, inert absorbent)
- Clean area with water
- Avoid release into environment

6. Handling and Storage

Handling:

- For laboratory use only
- Use standard PPE (gloves, lab coat, eye protection)
- Avoid ingestion and contact with skin and eyes

Storage:

- Store at 2–8°C
- Do not freeze
- Protect from light (for PE-conjugated reagents)
- Keep container tightly closed

7. Exposure Controls / Personal Protection

- No special exposure controls required under normal laboratory conditions
- Recommended PPE:
 - Gloves (nitrile or equivalent)
 - Lab coat
 - Safety glasses

8. Physical and Chemical Properties

Appearance: Liquid

Color: Reddish (PE-conjugated)

Odor: Odorless

pH: ~7.2–7.4

Solubility: Water soluble

9. Stability and Reactivity

Stable under recommended storage conditions.

Avoid:

- Extreme temperatures
- Strong acids
- Contact with metals

Important:

Sodium azide may react with lead or copper plumbing to form explosive metal azides.

10. Toxicological Information

No known toxicological effects under normal laboratory use conditions.

Product contains 0.02% sodium azide; handle with standard laboratory precautions.

11. Ecological Information

Avoid release into the environment.

Sodium azide is harmful to aquatic organisms in higher concentrations.

12. Disposal Considerations

Dispose according to local regulations for laboratory chemicals.

Do not dispose into drains or environment without proper dilution and authorization.

13. Transport Information

Not classified as dangerous goods for transport.

14. Regulatory Information

This product is intended for laboratory use only.

15. Other Information

Version: 1.0

Date: 2026

The information provided is based on current knowledge and is intended as guidance for safe handling and use.

Company Information

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