



Material Safety Data Sheet

Purified Monoclonal Antibody 4B4

1. Chemical Product Identification

Product Name:	Purified Monoclonal Antibody 4B4
Part Number:	26211, 21002
Application of the Substance/Preparation:	In-vitro diagnostic reagent or component of an Assay Kit (PLAC Test)
Manufacturer/Supplier:	diaDexus, Inc. 343 Oyster Point Blvd. S. San Francisco, CA 94080 (650) 246-6400 www.diadexus.com www.plactest.com
Information Department:	Technical Services, Customer Support
Emergency Phone Number:	For technical assistance, please contact diaDexus at 1-877-342-3398.

2. Composition/Information on Components

Principal Hazardous Components	CAS Number	Concentration
Antibody	NA	NA
Phosphate Buffered Saline	NA	NA
Sodium Azide	26628-22-8	≤0.1%

Note: Cal/OSHA has determined that substances present at less than 1%, if non-carcinogenic, are not required to be reported.

3. Hazards Identification

Emergency Overview:	This solution may be harmful if swallowed and may irritate the eyes, skin, and mucous membranes if inhaled.
Potential Health Effects:	
Inhalation:	Irritant to the respiratory tract. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. May be harmful if inhaled.
Ingestion:	May be harmful if swallowed.
Skin Contact:	May cause irritation or allergic skin reaction.
Eye Contact:	May cause irritation.



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4. First Aid Measures

General Information:	This solution may be harmful and may irritate the eyes, skin, and mucous membranes.
Inhalation:	Supply fresh air. In case of unconsciousness, place patient stably in side position for transportation.
Skin Contact:	Immediately wash with water and soap and rinse thoroughly.
Eye Contact:	Immediately flush with plenty of water for at least 15 minutes. Consult a doctor if symptoms persist.
Ingestion:	Immediately call a doctor.

5. Fire Fighting Measures

Protective Equipment:	Wear suitable protective clothing, safety glasses, and gloves.
Suitable Extinguishing Agents:	Dry chemical, CO ₂ , water spray, or regular foam.

6. Accidental Release Measures

Wear appropriate personal protective equipment, including but not limited to, protective clothing, safety glasses, and protective gloves. Isolate spill area. Neutralize with alkaline material (soda ash, lime), then absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container.

7. Handling and Storage

Handling:	Follow package insert instructions. Use safety glasses and/or safety face shield while performing test.
Storage:	Refer to material package insert for storage conditions.
Other Precautions:	For in-vitro diagnostic use only. Do not apply to eyes or skin. Do not inhale or ingest.



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8. Exposure Control/Personal Protective Equipment

Airborne Exposure Limits:	Ingredient	CAS No.	OSHA PEL	ACGIH TLV
	Sodium Azide	26628-22-8	N/E	C 0.29 mg/m ³
N/E = Not established				
Respiratory Protection:	Not required for normal use.			
Ventilation:	Use in well ventilated area.			
Protective Equipment:	Use general laboratory protective equipment, including safety glasses or goggles, protective gloves, and lab coat.			
Other Protective Clothing or Equipment:	None for typical use.			
Work/Hygienic Practices:	Avoid contact with eyes and skin. Always maintain good housekeeping. Do not eat or store food and beverages in areas where chemicals are stored.			

9. Physical/Chemical Characteristics

- Boiling Point (°F): Undetermined
- Density at 20 °C (68 °F): 0.84 g/cm³
- Vapor Density (Air = 1.0): N/A
- Solubility in Water: Soluble
- Melting Point/Melting Range: Undetermined
- Specific Gravity (Water = 1.0): N/A
- Odor: Mild
- Evaporation Rate: N/A
- Form: Liquid
- pH: 7.6

10. Stability and Reactivity

Stability:	Stable under ordinary use and storage.
Hazardous Decomposition:	Carbon monoxide, carbon dioxide, and nitrogen oxides.
Hazardous Polymerization:	Will not occur.
Incompatibilities:	It may react with strong acids and oxidizing agents.



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11. Toxicology Information

The toxicological properties have not been determined on the mixture as a whole. Toxicological data is provided for the individual components. Only selected data is presented here. Manufacturer MSDS's for individual components and references cited therein should be consulted for complete information.

Primary Effect: Irritant

Toxicological Investigations:	Type of Test	Route of Exposure	Species Observed	Dose Data
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Sodium Azide:

LDLo	Oral	Human (man)	29 mg/kg
LDLo	Oral	Human (woman)	14 mg/kg
LC50	Inhalation	Rodent, mouse	32400 µg/m ³
LD50	Onto the skin	Rodent, rabbit	20 mg/kg
LD50	Oral	Rodent, mouse	27 mg/kg

- Sodium azide can target the nerves, heart, and/or brain.

Genetic Toxicity: Based on a battery of genotoxicity tests, as well as the oncogenicity studies, Proclin 300 preservative has been determined not to pose any mutagenic or carcinogenic hazards to humans under normal conditions.

12. Ecological Information

No data available for the product mixture.

13. Disposal Considerations

Waste Disposal Method: Containers and unused contents should be disposed in accordance with federal, state, and local requirements.

14. Transport Information

Data is not available for the product mixture as a whole. Most components have not been regulated. Follow all local, state, and federal regulations.

15. Regulatory Information

TSCA: Components of this mixture are listed under the TSCA chemical inventory.

SARA: Components of this mixture are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

California Prop 65: Not regulated.

16. Other Information

The information, data, and recommendations contained herein are believed to be accurate but might not be all-inclusive and should be used only as a guide. diaDexus, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. We reserve the right to revise this MSDS periodically as new information becomes available.