

Non WHO Reference Material Diphtheria Monoclonal Antibody NIBSC code: 10/130 Instructions for use (Version 3.0, Dated 11/12/2012)

This material is not for in vitro diagnostic use.

1. INTENDED USE

Diphtheria monoclonal antibody is intended to be used as a capture antibody in ELISA to measure diphtheria antigen. For examples of use of the assay, see reference [1].

2. CAUTION

This preparation is not for administration to humans or animals in the human food chain.

Human serum albumin used in formulation contains material of human origin which has been tested and confirmed negative for viral markers. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratory's safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols. Care should be exercised in opening ampoules or vials, to avoid cuts.

3. UNITAGE

N/A

4. CONTENTS

Country of origin of biological material: United Kingdom.

Each ampoule contains 0.25 ml of freeze-dried anti-diphtheria monoclonal antibody from rat ascites, formulated in PBS with 0.5% human serum albumin and 0.1% trehalose.

5. STORAGE

Unopened ampoules should be stored in the dark at -20°C. Please note: because of the inherent stability of lyophilized material, NIBSC may ship these materials at ambient temperature.

6. DIRECTIONS FOR OPENING

DIN ampoules have an 'easy-open' coloured stress point, where the narrow ampoule stem joins the wider ampoule body. Various types of ampoule breaker are available commercially. To open the ampoule, tap the ampoule gently to collect material at the bottom (labelled) end and follow manufactures instructions provided with the ampoule breaker.

7. USE OF MATERIAL

No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution

The entire contents of each ampoule should be completely resuspended in an accurately measured amount of suitable solution (e.g. purified water). An appropriate working dilution is 1/200 (diluted in a suitable buffer for assay) after resuspending each ampoule in 0.5 ml. However, it is recommended to optimise the reagent in-house for specific application.

8. STABILITY

Reference materials are held at NIBSC within assured, temperaturecontrolled storage facilities. Reference Materials should be stored on receipt as indicated on the label.

Long term storage after reconstitution (at +4°C or frozen) is yet to be established. Once reconstituted, users should determine the stability of the material according to their own method of preparation, storage

National Institute for Biological Standards and Control, Potters Bar, Hertfordshire, EN6 3QG. T +44 (0)1707 641000, nibsc.org WHO International Laboratory for Biological Standards, UK Official Medicines Control Laboratory and use. Users who have data supporting any changes in the characteristics of this material are encouraged to contact NIBSC.

9. REFERENCES

1.. L. Coombes, P. Stickings, R. Tierney, P. Rigsby, D. Sesardic; Development and use of a novel in vitro assay for testing of diphtheria toxoid in combination vaccines. Journal of Immunological Methods (2009); Volume 350, Issues 1-2, 142-149.

10. ACKNOWLEDGEMENTS

N/A

11. FURTHER INFORMATION

Further information can be obtained as follows; This material: enquiries@nibsc.org WHO Biological Standards: http://www.who.int/biologicals/en/ JCTLM Higher order reference materials: http://www.bipm.org/en/committees/jc/jctlm/ Derivation of International Units: http://www.nibsc.org/standardisation/international_standards.aspx Ordering standards from NIBSC: http://www.nibsc.org/products/ordering.aspx NIBSC Terms & Conditions: http://www.nibsc.org/terms_and_conditions.aspx

12. CUSTOMER FEEDBACK

Customers are encouraged to provide feedback on the suitability or use of the material provided or other aspects of our service. Please send any comments to enquiries@nibsc.org

13. CITATION

In all publications, including data sheets, in which this material is referenced, it is important that the preparation's title, its status, the NIBSC code number, and the name and address of NIBSC are cited and cited correctly.



14. MATERIAL SAFETY SHEET

Classification in accordance with Directive 2000/54/EC, Regulation (EC) No 1272/2008: Not applicable or not classified

Physical	and Che	emical properti	es
Physical appearance:		Corrosive:	No
Freeze-dried powder			
Stable: Yes		Oxidising:	No
Hygroscopic: Yes		Irritant:	No
Flammable: No		Handling:See	e caution, Section 2
Other (specify): None)		
То	xicologio	al properties	
Effects of inhalation: Not e		established, avoid inhalation	
Effects of ingestion: Not established, avoid ingestion			oid ingestion
Effects of skin absorption: Not e		established, avoid contact with skin	
	00	ed First Aid	
Inhalation: Seek medical advice			
Ingestion: Seek medical advice			
Contact with eyes: Wash with copious amounts of water. Seek medical advice			
Contact with skin: Wa	ash thorou	ughly with wate	r.
Action on S	pillage a	nd Method of I	Disposal
Spillage of ampoule contr material wetted with an a appropriate disinfectant fr Absorbent materials used biological waste.	ppropriate	e disinfectant. F y water.	Rinse area with an

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16. INFORMATION FOR CUSTOMS USE ONLY		
Country of origin for customs purposes*: United Kingdom		
* Defined as the country where the goods have been produced and/or		
sufficiently processed to be classed as originating from the country of		
supply, for example a change of state such as freeze-drying.		
Net weight: 0.25 g		
Toxicity Statement: Non-toxic		
Veterinary certificate or other statement if applicable.		
Attached: No		