

Datasheet for MB-103-0025

Salmon Sperm DNA

Overview

Description:	Salmon Sperm DNA Ready-to-Use Solution (Packaged 5 x 5 mg) - MB-103-0025
Item No.:	MB-103-0025
Size:	5 x 5 mg
Applications:	FC

Product Details

Background:	Prepared by a modification of the method of Emanuel and Chaikoff, JBC 203, 164 (1953) from salmon testes DNA by mechanical shearing and heat denaturation to an average size of 100 to 200 base pairs. To reverse any renaturation occurring during storage, this material should be briefly boiled and rapidly chilled prior to use. >75% native nucleic acid.
Synonyms:	Salmon Sperm DNA, salmon testes DNA, single strand salmon sperm DNA, Salmon DNA, Salmon Sperm DNA Solution
Reagent Type:	DNA

Target Details

Purity/Specificity:	A260/A280: 1.85 % Hyperchromicity: 30.5
Relevant Links:	MB-103 SDS

Application Details

Suggested Applications:	FC (Based on references)
Application Note:	This product is a convenient, ready-to-use solution of salmon sperm DNA especially prepared for use in the preparation of pre-hybridization and hybridization solutions and as a DNA carrier in yeast transformation protocols and other related methods. This solution contains sheared single-stranded DNA molecules that can be used to block the non-specific attachment of probe DNA to the surface of a membrane (Southern) or to increase yeast transformation efficiency.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

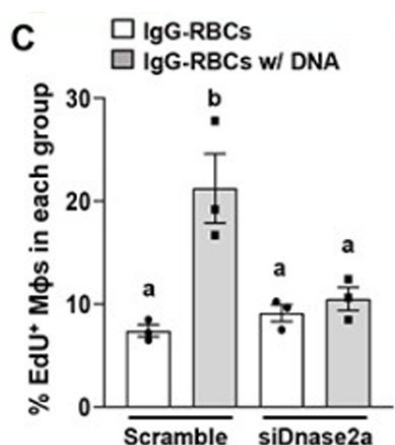
Formulation

Physical State:	Liquid
Concentration:	5.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Tris Chloride, 0.001 M EDTA, pH 7.6
Preservative:	None
Stabilizer:	None

Shipping & Handling

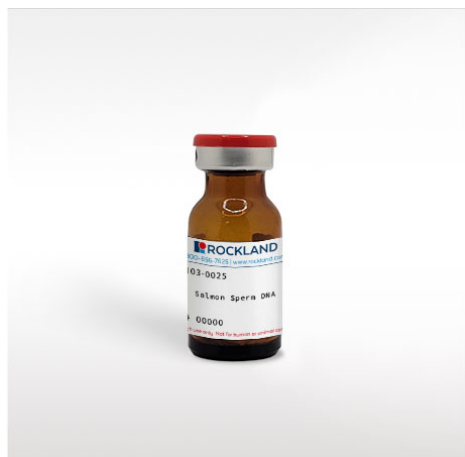
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C upon receipt.
Expiration:	Expiration date is six (6) months from date of receipt.

Images



Figure

Degradation of AC-derived Oligonucleotides Activate DNA-PKcs and mTORC2 Activity to Promote EIMP. (C) BMDMs transfected with siDnase2a or scrambled RNA and labeled with EdU were incubated with IgG-RBCs or IgG-RBCs containing salmon sperm DNA and assayed at the 24-hour timepoint for the percentage of EdU+ macrophages (n = 3 biological replicates). Sheep Red Blood Cells 10% washed pooled cells (p/n R405-0050) and Salmon Sperm DNA Ready-to-Use Solution (p/n MB-103-0025) used. Fig 2. PMID: 34784501.

**Bottle**

Salmon Sperm DNA Ready-to-Use Solution (Packaged 5 x 5 mg)

References

- Gerlach BD et al. Efferocytosis induces macrophage proliferation to help resolve tissue injury. *Cell Metab.* (2021)

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.