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Datasheet for 010-0634

Mouse Transferrin Biotin

Overview

Description:	Mouse Transferrin Biotin Conjugated - 010-0634
Item No.:	010-0634
Size:	1 mg
Origin:	Mouse

Product Details

Background:	Mouse Transferrin is a blood plasma glycoprotein which binds iron and regulates the amount of available iron in circulation. Mouse Transferrin has a high affinity for iron, but this binding is reversible. Mouse Transferrin has a molecular weight of approximately 80kDa. Mouse Transferrin also plays a role in the immune system, creating environments low in iron for which many pathogenic bacteria are unable to thrive. This product is holo-transferrin and is loaded with iron prior to use and can be added directly to iron poor or iron-free cell culture media.
Species of Origin:	Mouse
Conjugate:	Biotin
Format:	Transferrin
Type:	Native Protein

Target Details

Purity/Specificity:	Biotin conjugated Mouse Transferrin was prepared from normal serum by a multi-step process which includes delipidation and selective precipitation. It is provided in 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH: 7.6. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Mouse Transferrin and anti-Mouse Serum.

Application Details

Application Note:	Mouse Transferrin Biotin is a suitable protein for use in Western Blotting and ELISA experiments. For blotting, the expected molecular weight of Mouse Transferrin is approximately 80kDa.

Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
Other:	This product has been overfilled to ensure total recovery of stated quantity.

Formulation

Physical State:	Lyophilized
Concentration:	2.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.6
Preservative:	0.05% (w/v) Sodium Azide
Stabilizer:	15 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	500 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

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.

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