

Datasheet for 600-401-034**Transferrin Antibody****Overview**

Description:	Anti-Human Transferrin (RABBIT) Antibody - 600-401-034
Item No.:	600-401-034
Size:	1 mg
Applications:	ELISA
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Human transferrin is encoded by the TF gene and is an iron-binding blood plasma glycoprotein that controls the level of free iron in biological fluids. Human transferrin binds iron very tightly but reversibly. Human transferrin is the most important iron pool in mammals. Human transferrin has a molecular weight of around 80 kDa and contains 2 specific high-affinity Fe(III) binding sites. The affinity of Human transferrin for Fe(III) is extremely high but decreases progressively with decreasing pH below neutrality. Human Transferrin also plays a role in the immune system, creating environments low in iron for which many pathogenic bacteria are unable to thrive.
Synonyms:	rabbit anti-Transferrin antibody, Beta 1 metal binding globulin antibody, PRO1400 antibody, Serotransferrin antibody, Siderophilin antibody, TF antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TF
Reactivity:	Human
Immunogen Type:	Native Protein
Immunogen:	Human Transferrin

Purity/Specificity: This product was prepared from monospecific antiserum by immunoaffinity chromatography using antigen resins. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum. Analysis by SDS-PAGE was used to determine that this preparation is substantially free of aggregates and shows a banding pattern consistent with purified Rabbit IgG.

Relevant Links:

- [NCBI - AAH59367.1](#)
- [UniProtKB - P02787](#)
- [GeneID - 7018](#)

Application Details

Tested Applications: ELISA

Application Note: Anti-Human transferrin has been tested by ELISA and is assayed against 1.0 µg of Human Transferrin in a standard sandwich ELISA using Peroxidase conjugated Affinity Purified Donkey anti-Rabbit IgG [H&L] MX code #611-703-127 and TMB as a substrate for 30 minutes at room temperature. A working dilution of 1:12,000 to 1:43,000 is suggested for this product.

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

ELISA: 1:20,000 - 1:100,000

IHC: 1:500 - 1:2,500

WB: 1:2,000 - 1:10,000

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: 0.01% (w/v) Sodium Azide

Stabilizer: None

Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: This product is stable for several weeks at 4° C as an undiluted liquid. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. 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.