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Anti-TRANSFERRIN (Human Serum) (RABBIT) Antibody Biotin Conjugated

Transferrin Antibody Biotin Conjugated
Catalog # ASR4987

Specification

Anti-TRANSFERRIN (Human Serum) (RABBIT) Antibody Biotin Conjugated - Product Information

Host	**Rabbit**
Conjugate	**Biotin**
Target Species	**Human**
Reactivity	**Human**
Clonality	**Polyclonal**
Application	**WB, IHC, E, I, LCI**
Application Note	**Anti-Transferrin Antibody Biotin Conjugated has been tested for use in Immunoblotting and ELISA and is suitable for immunohistochemistry, immunofluorescence microscopy, as well as other antibody based assays. Optimal concentrations should be determined by the researcher.**
Physical State	**Lyophilized**
Buffer	**0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2**
Immunogen	**Transferrin [Human Serum]**
Reconstitution Volume	**100 µL**
Reconstitution Buffer	**Restore with deionized water (or equivalent)**
Stabilizer	**10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free**
Preservative	**0.01% (w/v) Sodium Azide**

Anti-TRANSFERRIN (Human Serum) (RABBIT) Antibody Biotin Conjugated - Additional Information

Gene ID 7018

Other Names
7018

Purity
Anti-Transferrin Antibody, Biotin Conjugated, is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Rabbit Serum as well as purified and partially purified Transferrin [Human Serum]. Cross reactivities against Transferrin from other sources may occur but have not been specifically determined.

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.

Precautions Note
This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-TRANSFERRIN (Human Serum) (RABBIT) Antibody Biotin Conjugated - Protein Information

Name TF (HGNC:11740)

Function
Transferrins are iron binding transport proteins which can bind two Fe(3+) ions in association with the binding of an anion, usually bicarbonate. It is responsible for the transport of iron from sites of absorption and heme degradation to those of storage and utilization. Serum transferrin may also have a further role in stimulating cell proliferation. (Microbial infection) Serves as an iron source for parasite T.brucei (strain 427), which capture TF via its own transferrin receptor ESAG6:ESAG7 and extract its iron for its own use.

Cellular Location
Secreted.

Tissue Location
Expressed by the liver and secreted in plasma.

Anti-TRANSFERRIN (Human Serum) (RABBIT) Antibody Biotin Conjugated - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-TRANSFERRIN (Human Serum) (RABBIT) Antibody Biotin Conjugated - Images

Anti-TRANSFERRIN (Human Serum) (RABBIT) Antibody Biotin Conjugated - Background

Anti-Transferrin Antibody, Biotin Conjugated is specific for the transferrin protein. Transferrins are iron-binding blood plasma glycoproteins which regulate the level of free iron in biological fluids. When free of bound iron, transferrin is referred to as apotransferrin. Human transferrin is encoded by the TF gene and is mainly synthesized in the liver, but other sources, such as the brain produce it. The main role of transferrin is delivery of iron from absorption centers in the duodenum and macrophages to all tissues. Membrane receptors on erythroid precursors in the bone marrow avidly bind transferrin. Hereditary hemochromatosis and anemia are well establish disorders involving defects in transferrin transport defects. Anti-Transferrin Antibody, Biotin Conjugated is suitable for use in cardiovascular research as well as other basic research.