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Human Transferrin Peroxidase

Catalog # ASR1486

Product Information

Description	HUMAN TRANSFERRIN Peroxidase conjugated
Conjugate	Peroxidase (Horseradish)
Physical State	Lyophilized
Host Isotype	Transferrin
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Species of Origin	Human
Reconstitution Volume	1.0 mL
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) Gentamicin Sulfate. Do NOT add Sodium Azide!

Additional Information

Shipping Condition	Ambient
Application Note	Human Transferrin is a suitable protein for use as a control reagent in both Western Blotting and ELISA experiments.
Purity	Human Transferring Peroxidase conjugated was prepared from normal serum by a multi-step process including selective precipitation and tandem chromatography followed by extensive dialysis against the buffer stated above. Human Transferring Peroxidase conjugated was assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Human Transferrin and anti-Human Serum.
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. Human Transferring Peroxidase conjugated 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.

Background

Human Transferrin is a blood plasma glycoprotein which binds iron and regulates the amount of available iron in circulation. Human Transferrin has a high affinity for iron, but this binding is reversible. Human Transferrin has a molecular weight of approximately 80kDa. Human Transferrin also plays a role in the immune system, creating environments low in iron for which many pathogenic bacteria are unable to thrive.Horseradish Peroxidase (HRP) is an enzyme that utilize organic peroxide compounds as electron donors. Naturally provides protection for plants against pathogens, but can be utilized in molecular biology

to convert various substrates to detectable compounds (such as in Western Blotting and ELISAs).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.