

**Human Transferrin Peroxidase**  
**Catalog # ASR1486****Specification**

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**Human Transferrin Peroxidase - Product Information**

Description	<b>HUMAN TRANSFERRIN Peroxidase conjugated</b>
Conjugate	<b>Peroxidase (Horseradish)</b>
Application	<b>,1,10,15,</b>
Application Note	<b>ELISA 4,000-10,000;Western Blot 2,000-5,000;Immunochemistry 200-2,000</b>
Physical State	<b>Lyophilized</b>
Host Isotype	<b>Transferrin</b>
Buffer	<b>0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</b>
Species of Origin	<b>Human</b>
Reconstitution Volume	<b>1.0 mL</b>
Reconstitution Buffer	<b>Restore with deionized water (or equivalent)</b>
Stabilizer	<b>10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</b>
Preservative	<b>0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!</b>

**Human Transferrin Peroxidase - Additional Information****Shipping Condition**

Ambient

**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.

**Human Transferrin Peroxidase - Protein Information**

## **Human Transferrin Peroxidase - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **Human Transferrin Peroxidase - Images**

## **Human Transferrin Peroxidase - 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 utilizes 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).