

## Transferrin, Human (HOLO)

catalog number: T8199-12A

Size	List Price	Your Price	Add to Cart
100ug	235.00	register for pricing	+ Add +
500ug	435.00	register for pricing	+ Add +
1mg	695.00	register for pricing	+ Add +

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Transferrin is a single polypeptide chain glycoprotein and is a member of the iron binding family of proteins. It has a molecular weight of 79.5kD and a serum concentration range of 1800D2700mg/L. It is synthesized in the liver and consists of two domains each having a high affinity reversible binding site for Fe<sup>3+</sup>. The iron is transported in blood and interstitial fluids to sites of use and disposal. Iron/transferrin is essential in hemoglobin synthesis and for certain types of cell division. Serum concentration rises in iron deficiency and pregnancy and falls in iron overload, infection and inflammatory conditions.

**Source:**

Pooled human serum/plasma

**Form:**

Supplied lyophilized from ammonium bicarbonate. Reconstitute with physiological buffer.

**Purity:**

3 98%. Cellulose acetate electrophoresis shows single band. SDS -Page shows a tight cluster of bands, corresponding to MW ~77kD; dimer may appear under certain conditions.

**Sodium:**

γ 10mg/g

**Iron:**

γ 0.6mg/g

**Chloride:**

γ 15mg/g

**Endotoxin:**

γ 1Eu/mg

**Moisture(KF):**

γ 5%