



**Product:** Human apo- Transferrin

**Catalog:** 800-130P

Description:	Transferrin is the iron-transport protein of vertebrate serum and donates iron to cells through interaction with a specific membrane receptor, CD71. Transferrin appears to be indispensable for most cells growing in tissue culture. It is referred to frequently as a growth factor because, in analogy to other growth factor-receptor interactions, proliferating cells express high numbers of transferrin receptors, and the binding of transferrin to their receptors is needed for cells to initiate and maintain their DNA synthesis. Apart from its role as an iron transport protein transferrin acts as a cytokine and has functions that may not be related to its iron-carrying capacity.
Applications:	Human Transferrin is a crucial component for the cultivation of mammalian cells in-vitro. Human Transferrin is critical for long-term cells growth in-vitro. Is also used as detoxificant in media by binding contaminating metal ions. Human Transferrin is often used as a nutrient in fermentation media for recombinant protein and biopharmaceutical production.
Source:	Human plasma-derived
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Solubility:	Soluble at 10 mg/mL in sterile, deionized water.
Stability:	Aqueous solutions of apo-transferrin should be stable at 4 °C for 5-10 days. Solutions should be sterile filtered for maximum stability.
Storage:	Store refrigerated at 2 to 8°C