

Human Holotransferrin - Purified

Alternate names:	Holo Transferrin
Catalog No.:	PA1344X
Quantity:	1
Concentration:	1.0 mg/ml
Species:	Human
Source:	Serum, Human
Format:	State: Lyophilized purified protein (Sterile Filtered) Purity: >97% Greater than 97.0% as determined by: Cellulose Acetate Reconstitution: Restore with 18Mohm-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions

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.
- Human Transferrin is 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.
- Additional common uses of Human Transferrin are:
Molecular weight, Affinity purification of anti-human transferrin antibodies and also as receptor mediated transfection of molecules such as DNA, into cells.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description: Iron saturated Human Holo Transferrin is a glycoprotein containing 679 amino acids. 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.

Molecular weight: 77 kDa 77 kDa

Storage: Prior to reconstitution stanble at RT for 3 weeks.
Following reconstitution store the protein undiluted at 2-8°C for one week or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Caution: Source material supplied to your facility has been tested for the detection of HIV antibody, Hepatitis B surface antigen, antibody to Hepatitis C, HIV 1 antigen(s), antibody to HTLV -

I/II, and syphilis with FDA approved test kits. All units were found to be non-reactive/negative for these tests. Nevertheless, all products from human sources should be handled as potentially infectious.