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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Human Apo Transferrin

CLPRO325
CLPRO325-2

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. Human Apo Transferrin is a glycoprotein of approximately 77 kDa.

Presentation:

500 mg (**CLPRO325**) or 1 g (**CLPRO325-2**), sterile filtered (1 mg/ml) solution was lyophilized from 20mM NH₄HC03 solution. May contain traces of buffer salts.

Reconstitution:

It is recommended to reconstitute the lyophilized Apo Transferrin in sterile 18MO-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Apo Transferrin (although stable at room temperature for 3 weeks) should be stored desiccated below -18°C. Upon reconstitution, the product should be stored at 4°C for up to 7, or below -18°C for long term storage. **Avoid freeze-thaw cycles.**

Purity:

Greater than 98.0% as determined by coomassie blue stained SDS-PAGE and Cellulose Acetate electrophoresis.

Iron content:

The Iron content was estimated by ICP and was found to be less than 4 ppm.

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Human Virus Test:

Human. FDA approved plasma from each donor has been tested and found negative for antibodies to HIV-1, HIV-2, HCV, HBSAG, HBc, ALT and Syphilis. Viral inactivation by pasteurization (60°C for 10 hours) has been validated using three different test viruses, with removal of 8-14.5 logs of virus documented. The purification process has also been found to remove significant additional quantities of virus.

Applications:

In vitro cultivation of mammalian cells.

In vitro long-term cell growth.

Detoxificant in media by binding contaminating metal ions.

Nutrient in fermentation media for recombinant protein and biopharmaceutical production.

Additional uses include: Molecular Weight, Affinity purification of anti-human transferrin antibodies, receptor mediated transfection of molecules such as DNA into cells.

Laboratory Reagent For Research Use Only