

Datasheet**Human Transferrin apo****Lyophilized powder**

Product	Description	Catalogue-No.	Size
Human Transferrin apo	Lyophilized powder	P06-21000	1 g
		P06-21100	100 mg
		P06-21500	500 mg

Product description

Human Transferrin is a major iron binding beta-glycoprotein with a molecular weight of 77 kDa and different phenotypes depending on the number of sialic acid residues. Each molecule is able to bind two Fe³⁺-ions. The iron content can be adjusted to 100 % saturation which generates holo-Transferrin (1200-1700 µg/g) or depleted to yield apo-transferrin (<50 ppm).

Storage conditions

Storage: 2-8 °C
Stability: as stated on the Certificate of Analysis
Filling: 100mg, 500 mg, 1 g, other sizes on request

Composition

The lyophilized apo-Transferrin powder is initially isolated from human plasma. It is heat-treated at 62 °C for 10 h and then lyophilized from NH₄HCO₃. Apo-Transferrin is substantially iron-free (< 50 ppm) but may contain traces of buffer salts.

Suitability

Transferrin is an iron transport and delivery protein which promotes cell growth. The apo form allows for controlled addition of iron salts. Apo transferrin is stabilised by iron and readily absorbs iron into its empty binding sites. It can be used to reduce iron load in iron rich media and balance the media. Also mammalian cells require an iron transporter such as Transferrin when cultivated in serum free medium.

Technical support

For technical support, questions or remarks please contact your local PAN-Biotech partner or the technical department of PAN-Biotech via email (info@pan-biotech.com) or phone +49-8543-601630.

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