



Human transferrin reference serum (DAGA-653)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Transferrins are iron-binding blood plasma glycoproteins that control the level of free iron (Fe) in biological fluids. Human transferrin is encoded by the TF gene. Transferrin glycoproteins bind iron tightly, but reversibly. Although iron bound to transferrin is less than 0.1% (4 mg) of total body iron, it forms the most vital iron pool with the highest rate of turnover (25 mg/24 h). Transferrin has a molecular weight of around 80 KDa and contains two specific high-affinity Fe(III) binding sites. The affinity of transferrin for Fe(III) is extremely high (association constant is 10^{20} M^{-1} at pH 7.4), but decreases progressively with decreasing pH below neutrality.
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Specificity	Human
Conjugate	Unconjugated
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements
Size	1 ml
Preservative	0.1% Sodium Azide
Storage	Frozen -20°C

BACKGROUND

Keywords	Human; Transferrin; Serum
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