

Product datasheet for **SP1123P**

Transferrin (TF) Sheep Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ID
Recommended Dilution:	Immunodiffusion: Use <i>neat</i> antibody. Successful use in Immunohistochemistry on Frozen Sections was reported by some researchers. As this detection method has not been verified by Acris Antibodies, the application was deleted from the database. This does not necessarily exclude the use in such procedure.
Reactivity:	Feline, Guinea Pig, Human, Mouse, Rabbit, Rat
Host:	Sheep
Clonality:	Polyclonal
Immunogen:	Human holo-Transferrin. Antisera to Human Transferrin were raised by repeated immunisation of Sheep with highly purified antigen.
Specificity:	This antibody recognizes Transferrin, an iron binding glycoprotein of 79 kDa. Negative Species: Goat, Chicken, Bovine, Porcine, Canine, Horse.
Formulation:	Glycine buffered saline, pH 7.4 with 0.09% Sodium Azide, 0.01% Benzamidine, 0.1% EACA and 1mM EDTA State: Purified State: Liquid purified IgG fraction
Purification:	Ion Exchange Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	transferrin
Database Link:	Entrez Gene 7018 Human P02787



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Background:

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.

Synonyms:

Serotransferrin, Siderophilin