

## Product datasheet for **AP21478SU-N**

### Transferrin (TF) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ID, IP
Recommended Dilution:	Can be used in Precipitating techniques as Immuneoelectrophoresis and single and double radial Immunodiffusion to identify the presence transferrin in human serum or other body fluids and to determine its concentration. This antiserum has not been tested in more sensitive assays as nephelometry, ELISA or use in immunohistology, but this does not exclude such use if proper controls are included. <u>Recommended dilutions:</u> Immuneoelectrophoresis: use 2 µl serum or equivalent against 120 µl antiserum. Double radial immunodiffusion: use a rosette arrangement with 10 µl antiserum in 3 mm diameter centre well and 2 µl serum samples (neat and serially diluted) in 2 mm diameter peripheral wells. <u>Antibody titre</u> Precipitin titre 1/32 when tested against pooled normal human serum in agar-block immunodiffusion titration.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Purified transferrin isolated from pooled human serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Specificity:	The reactivity of the antiserum is restricted to transferrin as tested in immuneoelectrophoresis and radial immunodiffusion. A characteristic single precipitin line is obtained with normal serum which shows a reaction of identity with the precipitin line with purified transferrin. <u>Cross-reactivity</u> Inter-species cross-reactivity is a normal feature of antibodies to serum proteins, since homologous proteins of different species frequently share antigenic determinants. Crossreactivity of this antiserum has not been tested in detail, however in immuneoelectrophoresis a weak reaction has been observed with rat and rabbit.
Formulation:	State: Serum State: Delipidated, heat inactivated, lyophilized, stable whole antiserum with no preservatives
Reconstitution Method:	Restore with 1 ml sterile distilled water.



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<b>Concentration:</b>	Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Prior to and following reconstitution store the antibody at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	transferrin
<b>Database Link:</b>	<a href="#">Entrez Gene 7018 Human P02787</a>
<b>Synonyms:</b>	Serotransferrin, Siderophilin
<b>Note:</b>	<u>Adsorption:</u> Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies reacting with other serum proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.
<b>Protein Families:</b>	Druggable Genome, Secreted Protein