

Product datasheet for **AP31667SU-N**

Trf Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ID, IP
Recommended Dilution:	Immunoprecipitation. Immunodiffusion. <u>For Ouchterlony:</u> The following results were obtained in ouchterlony with samples of various types. In all cases, the sample size was 10 µl, the distance between the wells was 5 mm, and the test time was 24 hours. Sample Type: Mouse Transferrin Purified Protein: Positive Normal Mouse Serum: Single band homogeneous with band to Transferrin in the test described above. Mouse Albumin: Negative.
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody is an antiserum directed against Mouse Transferrin.
Formulation:	State: Serum State: Liquid Neat Serum containing 0.05% Sodium Azide as preservative
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	transferrin
Database Link:	<u>Entrez Gene 22041 Mouse Q92111</u>



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Background:

Transferrin is a single polypeptide chain glycoprotein and is a member of the iron binding family of proteins. It has a molecular weight of 77 kDa and a serum concentration range of 1800 to 2700 mg/L. It is synthesized in the liver and consists of two domains each having a high affinity reversible binding site for Fe³⁺. Iron is transported in blood and interstitial fluids to sites of use and disposal. Iron/transferrin is essential in hemoglobin synthesis and for certain types of cell division. Serum concentration rises in iron deficiency and pregnancy and falls in iron overload, infection and inflammatory conditions.

The function of transferrin is to transport iron from the intestine, reticuloendothelial system, and liver parenchymal cells to all proliferating cells in the body. In addition to its function in iron transport, this protein may also have a physiologic role as granulocyte/pollen binding protein (GPBP) involved in the removal of certain organic matter/allergens from serum.

Synonyms:

Serotransferrin, Siderophilin