

Product datasheet for **AP21468SU-N**

Haptoglobin (HP) (alpha-2) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ID, IP
Recommended Dilution:	Can be used in precipitating techniques as immunoelectrophoresis and single or double radial immunodiffusion to identify the presence of haptoglobin in human plasma or other body fluids or to determine its concentration. The presence of non-precipitating antibodies has not been assayed. This does not exclude the use in non-precipitating antibody-binding techniques if proper controls are included. <u>Directions for Use:</u> Immunoelectrophoresis: Use 2 µl or equivalent against 120 µl antiserum. Double Radial Immunodiffusion (Ouchterlony): Use a rosette arrangement with 10 µl in a 3 mm diameter center well and 2 µl serum samples (neat and serially diluted) in 2 mm diameter peripheral wells. <u>Antibody titre:</u> Precipitin titre 1/64 when tested against pooled normal Human plasma in agar-blockimmunodiffusion titration.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Freund's complete adjuvant is used in the first step of the immunization.
Specificity:	The reactivity of the antiserum is restricted to haptoglobin. In Immunoelectrophoresis and Radial Immunodiffusion (Ouchterlony), using various antiserum concentrations against fresh normal Human plasma a single precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with purified haptoglobin. No reaction is obtained with any other plasma protein component or serum. The antiserum does not cross react with any other component of human plasma. Inter-species crossreactivity is a normal feature of antibodies to plasma proteins since they frequently share antigenic determinants. Cross-reactivity of this antiserum has not been tested in detail.
Formulation:	State: Serum State: Lyophilized, Delipidated, Heat inactivated, Stable Whole antiserum without preservatives
Reconstitution Method:	Restore by adding 1 ml of sterile distilled water.



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Concentration:	Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added.
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C and reconstituted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid Repeated thawing and freezing.
Stability:	Shelf life: one year from despatch.
Gene Name:	haptoglobin
Database Link:	Entrez Gene 3240 Human P00738
Background:	Haptoglobin is an acute phase protein synthesized in the liver. In immunoelectrophoresis it has an alpha-2 mobility. It forms a group of heterogeneous proteins consisting of four peptide chains, two alpha and two beta chains. The molecular weight is about 86,000. Haptoglobin combines with haemoglobin and is then rapidly catabolized. Concentration is elevated in cases of inflammation and reduced in liver disease and haemolytic anaemia.
Synonyms:	BP; haptoglobin; HP2-ALPHA-2; HPA1S; MGC111141
Note:	Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies reacting with other dog serum proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.
Protein Families:	Druggable Genome, Protease, Secreted Protein, Transmembrane