

Product datasheet for **AP31449SU-N**

Lactoferrin (LTF) Goat Polyclonal Antibody

Product data:

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| Product Type: | Primary Antibodies |
| Applications: | ID, IP |
| Recommended Dilution: | Can be used in precipitating techniques as immunoelectrophoresis, single and double radial immunodiffusion (Mancini, Ouchterlony) and electroimmunodiffusion (Laurell) for the identification and quantitative determination of lactoferrin in body fluids. <u>Recommended dilutions:</u> Immunoelectrophoresis: 2 µl monkey serum against 120 µl antiserum. Double radial immunodiffusion (Ouchterlony): a rosette arrangement with 10 µl antiserum in a 3 mm diameter center well and 10 µl of the antiserum in 3 mm diameter peripheral wells. Single radial immunodiffusion: 1% antiserum in the gel. |
| Reactivity: | Monkey |
| Host: | Goat |
| Clonality: | Polyclonal |
| Immunogen: | Exocrine organs produce various secretions, each with its characteristic function. Proteins found in secretions may be divided into two groups: those specific for the particular secretion, and plasma proteins independent of the type of exocrine cells. Lactoferrin belongs to the first group. It is an iron containing protein with a molecular weight of 75,000 and it is antigenically different from transferrin. Lactoferrin has a slight antimicrobial action. Originally identified in milk, its presence has also been demonstrated in other secretions as saliva, semen and tears. The immunogen has been isolated from rhesus monkey milk. Freund's complete adjuvant is used in the first step of the immunization procedure. |
| Specificity: | In immunoelectrophoresis against monkey milk a single precipitin line is obtained. The antiserum does not react with any other protein component of monkey serum or plasma. <u>Cross-reactivity:</u> The antiserum does not cross-react with any other monkey plasma proteins as tested in gel-diffusion techniques. Inter-species cross-reactivity is a normal feature of antibodies to plasma or milk proteins, since homologous proteins of different species frequently share antigenic determinants. Cross-reactivity of this antiserum has not been tested in detail. |



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| Formulation: | No preservative added. No foreign proteins added. State: Serum State: Delipidated, heat inactivated, lyophilized, stable whole serum. |
| Reconstitution Method: | Restore with 1 ml sterile distilled water |
| Conjugation: | Unconjugated |
| Storage: | Prior to reconstitution store at 2-8°C. Following reconstitution 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: | lactotransferrin |
| Database Link: | Entrez Gene 4057 Human P02788 |
| Synonyms: | LTF, LF, Lactoferrin, EC=3.4.21, Talalactoferrin |
| Note: | Adsorption: Immunoaffinity adsorbed using insolubilized fractions of monkey serum and lactoferrin-depleted monkey milk as required, to eliminate antibodies reacting with other monkey serum or milk proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum. Antibody titre: Precipitin titre not less than 1/16 when tested against normal monkey milk in agar block immunodiffusion titration. |
| Protein Families: | Druggable Genome, Protease, Secreted Protein |