

AP32827AF-N**Polyclonal Antibody to Lysozyme C - Azide Free****Alternate names:**

1, 4-beta-N-acetylmuramidase C, LYZ, LZM

Quantity:

10 mg

Concentration:

10.0 mg/ml

Background:

Lysozyme, a bacteriolytic enzyme, has a molecular weight of about 15,000. Its concentration in plasma is low; in milk the concentration is reported to be between 5 and 220 mg/ml. Also tears contain a considerable amount of lysozyme.

Uniprot ID:[P00698](#)**NCBI:**[NP_990612](#)**GeneID:**[396218](#)**Host / Isotype:**

Rabbit / IgG

Immunogen:

Highly purified lysozyme is isolated from pooled milk. Freund's complete adjuvant is used in the first step of the immunization procedure.

Format:**State:** Lyophilized Purified hyperimmune IgG fraction**Purification:** Hyperimmune antisera with strong precipitating activity are selected for fractionation by salt precipitation and purification of the IgG fraction by DEAE-chromatography**Buffer System:** PBS, pH 7.2**Preservatives:** None**Stabilizers:** None**Reconstitution:** Restore by adding 1 ml sterile distilled water**Applications:**

The cytochemical grade allows the use in different types of highly sensitive immunoassays on appropriately treated cell and tissue substrates; in radioimmunoassay; for the production of immunoconjugates with a selected marker; to prepare immunoaffinity adsorbents by coupling to an artificial carrier; in non-isotopic methodology based on solid phase immunochemistry (e.g. ELISA), both as catching antibody and detection reagent; in Western blotting. This product is not pre-diluted.

Recommended Working Dilutions:

Histochemical and cytochemical: 1/100-1/250.

ELISA and comparable non-precipitating antibody-binding assays: 1/500-1/5,000.

Immunohistochemistry on Paraffin Sections: 1/400.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

The reactivity of the antiserum is restricted to lysozyme. In immunoelectrophoresis and radial immunodiffusion (Ouchterlony), using various antiserum concentrations against normal human milk and tears a single precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with purified lysozyme. No reaction is obtained with any other plasma protein component or serum.

Cross-reactivity: The antiserum does not cross-react with any other component of human plasma.

Inter-species cross-reactivity 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.

Species Reactivity:

Tested: Human.

Add. Information:

Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies cross-reacting with other with other plasma proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.

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.
Shelf life: one year from despatch.

Pictures:

Formalin-Fixed, Paraffin-Embedded Human Spleen stained with Lysozyme C Antibody Cat.-No AP32827AF-N at 1/400 dilution after heat-induced antigen retrieval.

