

AP32827FC-N**Polyclonal Antibody to Lysozyme C - FITC****Alternate names:**

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

Quantity:

1 ml

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**Label:** FITC – Fluorescein isothiocyanate isomer 1*Absorption / Emission:* 492 nm / 515 nm*Molar Ratio:* ~1.3**Reconstitution:** Restore by adding 1 ml sterile di stiller water**Applications:**

In immunocytochemical and immunohistochemical techniques for the detection of lysozyme at the cellular and subcellular level in appropriately treated cell and tissue substrates. This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal.

Recommended Working Dilutions:

histochemical and cytochemical Use: 1/10-1/50.

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.**Storage:**

Store lyophilized at 2-8°C for 6 months or at -20°C long term.
After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.