

## Product datasheet for **AP33372SU-S**

### LYZ Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	<b>ELISA:</b> 1/500.
Reactivity:	Chicken
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Native lysozyme purified from Chicken egg whites.
Specificity:	This antibody detects Chicken Egg Lysozyme. Other species not tested.
Formulation:	State: Serum State: Lyophilized Serum
Reconstitution Method:	Restore in aqua bidest to initial volume
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	lysozyme (renal amyloidosis)
Database Link:	<a href="#">Entrez Gene 396218 Chicken P00698</a>



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**Background:**

Hen Egg Lysozyme, also known as lysozyme C (chicken-type), belongs to the glycosyl hydrolase 22 family. Lysozymes are 1,4- $\beta$ -N-acetylmuramidases and they are responsible for cleaving the glycosidic bond between N-acetylmuramic acid and N-acetylglucosamine in the bacterial peptidoglycan. They are found in many plants and animals and were originally believed to function primarily as a bacteriolytic defensive agent. The function of this family also includes surveillance of mammalian cell membranes, inactivation of certain viruses, stimulation of proliferation and antitumor functions of monocytes as well as enhancement of phagocytic activity of polymorphonuclear leukocytes and macrophages. The Hen Egg Lysozyme is commonly used as a preservative in a variety of foods and as a component of pharmaceutical products. In addition to having enzymatic bacteriolytic activity, Hen Egg Lysozyme also contains non-enzymatic bactericidal domains.

**Synonyms:**

LYZ, LZM