

Product datasheet PS287

MONOSAN[®]

Polyclonal Rabbit anti-Lysozyme

Clone no. -

MONOSAN

Product name	Polyclonal Rabbit anti-Lysozyme
Host	Rabbit
Applications	ELISA,IP,WB
Species reactivity	human
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	Ig
Clonality	Polyclonal
Clone number	-
Size	1 ml
Concentration	100 ug/ ml
Format	-
Storage buffer	PBS with 0.1% BSA and 0.02% sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

Lysozyme is a 14 kd enzyme directed against the b 1 a 4 glycosidic bond between N-acetylglucosamine and N-acetylmuramic acid residues that make up peptidoglycan. Lysozyme is an antimicrobial protein secreted by polymorphonuclear leukocytes and is widely distributed in secretions such as airway secretions and nasal fluid whereas it is the most effective antimicrobial protein. It is also produced by monocytes, macrophages and epithelial cells. Lysozyme is able to kill bacteria by enzymatic lysis of bacterial cell walls and by a nonenzymatic mechanism. Although lysozyme is highly active against many gram-positive bacteria it is ineffective against gram-negative bacteria unless potentiated by certain cofactors (lactoferrin, antibody-complement or hydrogen peroxide-ascorbic acid). Next to its antimicrobial activity lysozyme has many other physiological functions including inactivation of certain viruses, important roles in surveillance of membranes of mammalian cells, immune regulatory activity, anti-inflammatory and antitumor activity

References

1. Laible; N et al. Infect Immun 1985; 48: 720
2. Cole, A et al Infect Immun 1999, 67: 3267
3. Ibrahim; H et al. Curr Pharm Des 2002; 8: 671
4. Cole; A et al. J Immunol 2002; 169: 6985
5. -

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