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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Lysozyme [F9.13.7] Bulk Size Ab03220-1.1-BT

Isotype and Format: Mouse IgG1, Kappa

Clone Number: F9.13.7

Alternative Name(s) of Target: Lysozyme C; 1,4-beta-N-acetylmuramidase C; GEL; hen egg-white lysozyme

UniProt Accession Number of Target Protein: P00704

Published Application(s): crystallography, ELISA

Published Species Reactivity: Numida meleagris (Helmeted guineafowl)

Immunogen: The antibody was raised against hen egg-white lysozyme.

Specificity: The antibody binds to lysozyme, in particular to residues H15, G16, Y20, R21, W63, R73, L75, N77, N93, K96, K97, S100, D101. The antibody partially overlaps the epitope recognized by antibody HyHEL10. Lysozyme degrades polysaccharides of various types of bacterial cell walls.

Application Notes: The specificity of the original format of the antibody was confirmed by ELISA analysis (Lescar et al., 1993; PMID: 7680133). The structure of the Fab fragment in complex with Guinea-Fowl Lysozyme was determined (Lescar et al., 1995; PMID: 7629116). Homogeneous kinetics of Fab and Fv fragments were studied and the KD values were 0.57 ± 0.05 nM for scFv and 1.6 ± 0.2 nM for Fab. Since the clone and HyHEL-10 recognized a common epitope, equilibria and kinetics of the two clones were evaluated. Results showed that the clone had greater specificity than HyHEL-10 despite its lower affinity (Pons et al., 2002; PMID: 12237453). The ability of the antibody to modulate in vitro the presentation of hen egg-white lysozyme (HEL) to specific T cells was evaluated, results showed the antibody was able to enhance the HEL presentation to L3E10 T cells (Guermonprez et al., 1999).

Antibody First Published in: Lescar et al. Crystallization, preliminary X-ray diffraction study, and crystal packing of a complex between anti-hen lysozyme antibody F9.13.7 and guinea-fowl lysozyme. *Proteins*. 1993 Feb;15(2):209-12. [PMID:7680133](#)

Note on publication: The paper describes the generation, the structure and characterization of the antibody.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without

added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.