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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-N-acyl homoserine lactones [RS2-1G9] Bulk Size Ab00343-1.1-BT

Isotype and Format: Mouse IgG1, Lambda

Clone Number: RS2-1G9

Alternative Name(s) of Target: HSL, AHL

UniProt Accession Number of Target Protein:

Published Application(s): Blocking, infectious disease, ELISA

Published Species Reactivity: P. aeruginosa

Immunogen: The 4-methoxyphenyl amide AHL analog.

Specificity: Binds 3-oxo-C12-HSL with a Kd of 150 nM

Application Notes: This antibody, originally raised in mice, binds to several homoserine lactones from P. aeruginosa. Homoserine lactones (HSL) are signalling molecules in bacteria used for quorum sensing, required for successful establishment of infection. RS2-1G9 interferes with quorum sensing and was shown to protect murine bone marrow derived macrophages, from the cytotoxic P. aeruginosa quorum sensing signalling molecule N-3-oxo-dodecanoyl-homoserine lactone (PMID: 18304641).

Antibody First Published in: Kaufmann et al. 2006 Antibody Interference with N-Acyl Homoserine Lactone-Mediated Bacterial Quorum Sensing. Journal of the American Chemical Society. 2006; 128 (9): 2802-2803
[PMID:16506750](#)

Note on publication: Describes the design of HSL-analogous haptens used for the immunization of mice for hybridoma production of the 1G9 antibody as well as characterization of the inhibition of quorum sensing by the produced antibodies.

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.