



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-N-acyl homoserine lactones [RS2-1G9] Standard Size Ab00343-1.1

**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:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. 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.